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OM nucleic - nucleic search, using sw model

Run on: August 23, 2005, 11:36:42 ; Search time 429.41 Seconds
(without alignments)
7762.041 Million cell updates/sec

Title: US-09-402-713C-1

Perfect score: 2037

Sequence: 1 agaagctgcatcagaaaaa.....caataaagaattacaaga 2037

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

- 1: /cgn2_6/prodata/1/ina/5A COMB.seq.*
- 2: /cgn2_6/prodata/1/ina/5B COMB.seq.*
- 3: /cgn2_6/prodata/1/ina/6A COMB.seq.*
- 4: /cgn2_6/prodata/1/ina/6B COMB.seq.*
- 5: /cgn2_6/prodata/1/ina/PCTUS COMB.seq.*
- 6: /cgn2_6/prodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2032	99.8	3923	4	US-09-636-215-690
2	2032	99.8	3923	4	US-09-685-166A-690
3	2032	99.8	3923	4	US-09-685-166A-690
4	2032	99.8	3923	4	US-09-685-166A-690
5	2032	99.8	3923	4	US-09-685-166A-690
6	1737.8	85.3	3112	3	US-09-651-236-690
7	1737.8	85.3	3112	3	US-09-651-236-690
8	1737.8	85.3	3112	4	US-09-636-215-690
9	1737.8	85.3	3112	4	US-09-685-166A-690
10	1737.8	85.3	3112	4	US-09-685-166A-690
11	1737.8	85.3	3112	4	US-09-685-166A-690
12	1737.8	85.3	3112	4	US-09-685-166A-690
13	1731.4	85.0	2426	3	US-09-636-215-690
14	1731.4	85.0	2426	3	US-09-636-215-690
15	1731.4	85.0	2426	4	US-09-685-166A-690
16	1731.4	85.0	2426	4	US-09-685-166A-690
17	1731.4	85.0	2426	4	US-09-685-166A-690
18	1731.4	85.0	2426	4	US-09-685-166A-690
19	1731.4	85.0	2426	4	US-09-685-166A-690
20	1712.4	84.1	2229	3	US-09-636-215-690
21	1712.4	84.1	2229	3	US-09-636-215-690
22	1712.4	84.1	2229	4	US-09-685-166A-690
23	1712.4	84.1	2229	4	US-09-685-166A-690
24	1712.4	84.1	2229	4	US-09-685-166A-690
25	1712.4	84.1	2229	4	US-09-685-166A-690
26	1712.4	84.1	2229	4	US-09-685-166A-690
27	722.4	35.5	812	3	US-09-439-313-471

ALIGNMENTS

RESULT 1

US-09-636-215-690
; Sequence 690, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-636-215-690

Query Match	99.8%;	Score 2032;	DB 4;	Length 3923;
Best Local Similarity	99.6%;	Pred. No. 0;		
Matches 2029;	Conservative	5;	Mismatches 3;	Indels 0;
Gaps	0;			
QY	1	AGAACTGGCATCAGAAAAACAGAGGGAGATTTGTGGCTGCAGCCGAGGAGACCCAG	60	
Db	23	AGAACTGGCATCAGAAAAACAGAGGGAGATTTGTGGCTGCAGCCGAGGAGACCCAG	82	
QY	61	GAAGATCTGCATGGTGGGAAGGACCTGATGATACAGAGGAATTACACACATATCTTAG	120	
Db	83	GAAGATCTGCATGGTGGGAAGGACCTGATGATACAGAGGAATTACACACATATCTTAG	142	
QY	121	TGTTTCAATGAACACCAAGATAAATAAGTGAAGACTAGTCGCTGTGAGTCTCTCAGT	180	
Db	143	TGTTTCAATGAACACCAAGATAAATAAGTGAAGACTAGTCGCTGTGAGTCTCTCAGT	202	

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203 GACACAGGCTGGATCACCATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA 262
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241 CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGA 300
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1323 |
1343 GCAAAGATGACTAAGTCCCTTTATCCCTCCCTTTGTTTGAATTTTTCAGTATAAAGT 1402
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1381 TAAATGCTTACGCTTGTACTGAGGCTGTATACAGCACAGGCTCTCCCATCCCTCCAGC 1440
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1383 |
1403 TAAATGCTTACGCTTGTACTGAGGCTGTATACAGCACAGGCTCTCCCATCCCTCCAGC 1462
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1405 |
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1443 |
1463 CTTATCTGCTACACCATCAACCCCTCCCATNYSACCTAAACAAATCTAACTTGAAT 1522
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1465 |
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1523 CTTGAAACATCTCAGGNCATATCTTCTTCTGCTGAGAGCTCTTCTGCTCTCT 1582
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1525 |
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1563 |
1583 AANTCTAGAATGATGTAAGTTTGAATAAGTTGACTATCTTCTCATGCAAGAGGG 1642
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1683 |
1703 AGGTTTATAGATAATATATGAATGCAAGACCAAGAGGGAATGTTTATGGGCACGTT 1762
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1823 CATTTCTCTATCTCTATCAAAATATCCAAAGCTTTTCAAGAAATCATGCAAGTCAAA 1882
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1861 TCCCAAGAGTAACTTTTATCCATTTCTGAGTGTGCTTGTAGAAATTTGGCAATCA 1920
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1863 |
1883 TCCCAAGAGTAACTTTTATCCATTTCTGAGTGTGCTTGTAGAAATTTGGCAATCA 1942
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1921 TACTGCTCAGTATCTCAACTTTGAGATGTGTTGCTCTGTAGTAAATTTGAAAGAAATA 1980
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1943 TACTGCTCAGTATCTCAACTTTGAGATGTGTTGCTCTGTAGTAAATTTGAAAGAAATA 2002
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1945 |
1981 GGGCACTCTTGTGAGCCACTTTAGGTTCACTCTCGCAATTAAGAAATTTACAAAGA 2037
1982 |
1983 |
2003 GGGCACTCTTGTGAGCCACTTTAGGTTCACTCTCGCAATTAAGAAATTTACAAAGA 2059
2004 |
2005 |

RESULT 2

US-09-685-166A-690
; Sequence 690, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun

APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C21
CURRENT APPLICATION NUMBER: US/09/685,166A
CURRENT FILING DATE: 2000-10-10
NUMBER OF SEQ ID NOS: 898
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 690
LENGTH: 3923
TYPE: DNA
ORGANISM: Homo sapien
US-09-685-166A-690

Query Match		99.8%	Score 2032;	DB 4;	Length 3923;
Best Local Similarity		99.6%;	Pred. No. 0;		
Matches 2029;		Conservative	5;	Mismatches	3; Indels 0; Gaps 0;
QY	1	AGNAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCCGAGGGAGACCCAG	60		
DB	23	AGNAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCCGAGGGAGACCCAG	82		
QY	61	GAAGATCTGCATGCTGGGAGGACCTGATGATACAGAGGAATTTACACACATATCTTAG	120		
DB	83	GAAGATCTGCATGCTGGGAGGACCTGATGATACAGAGGAATTTACACACATATCTTAG	142		
QY	121	TGTTTCAATGAACACCAAGATAAATGAAGTGAAGAGCTAGTCCGCTGTGAGTCTCCTCAGT	180		
DB	143	TGTTTCAATGAACACCAAGATAAATGAAGTGAAGAGCTAGTCCGCTGTGAGTCTCCTCAGT	202		
QY	181	GACACAGGCTGGATCACCATGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA	240		
DB	203	GACACAGGCTGGATCACCATGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA	262		
QY	241	CTACAGACATCTCAATGGGAGGGGTGAGAAATGAAGAGGCTGCTGACATTTACCACTGA	300		
DB	263	CTACAGACATCTCAATGGGAGGGGTGAGAAATGAAGAGGCTGCTGACATTTACCACTGA	322		
QY	301	GGCCACACATCTGCTGAAATGGAGATAAATTAACATCACTAGAAAAACAGCAAGATGACAA	360		
DB	323	GGCCACACATCTGCTGAAATGGAGATAAATTAACATCACTAGAAAAACAGCAAGATGACAA	382		
QY	361	TAATGCTAAGTAGTACATGTTTTTGGCACTTTCCAGCCCTTTAAATATCCACACACA	420		
DB	383	TAATGCTAAGTAGTACATGTTTTTGGCACTTTCCAGCCCTTTAAATATCCACACACA	442		
QY	421	CAGGAGCAAAAAGAACACAGACATCCCTGGGAGAAATGCCGGCCGCCATCTTGGG	480		
DB	443	CAGGAGCAAAAAGAACACAGACATCCCTGGGAGAAATGCCGGCCGCCATCTTGGG	502		
QY	481	TCATCGATGAGCTCGCCCTGTGCTGGTCCCGCTTGTGAGGGAAGGACATTAGAAAAATG	540		
DB	503	TCATCGATGAGCTCGCCCTGTGCTGGTCCCGCTTGTGAGGGAAGGACATTAGAAAAATG	562		
QY	541	AATTGATGTGCTTTAAAGGATGGGAGGAAACAGATCCTGTTGTGGATTTTATTTG	600		
DB	563	AATTGATGTGCTTTAAAGGATGGGAGGAAACAGATCCTGTTGTGGATTTTATTTG	622		
QY	601	AACGGATTACAGATTGAAATGAAGTCAACAGTACGACATTACCNAATGAGGAGAAACA	660		
DB	623	AACGGATTACAGATTGAAATGAAGTCAACAGTACGACATTACCNAATGAGGAGAAACA	682		
QY	661	GACGAGAAAATCTTGATGGCTTCAACAGATGCAACAAAAAATGGAATACTGTGATG	720		
DB	683	GACGAGAAAATCTTGATGGCTTCAACAGATGCAACAAAAAATGGAATACTGTGATG	742		
QY	721	ACATGAGGAGCAAGCTGGGAGGAGATAACACGGGGCAGAGGCTCAGGATTTCTGGCC	780		
DB	743	ACATGAGGAGCAAGCTGGGAGGAGATAACACGGGGCAGAGGCTCAGGATTTCTGGCC	802		
QY	781	CTGCTGCCTTAACTGTCGCTTCAATACCAAAATCATTTTCATATTTCTAACCCCTCAAAACA	840		

DB	803	CTGCTGCCATAAAGTGTGGTTCATTAACCAAAATCATTTTCATATTTCTAACCCCTCAAAACA	862
QY	841	AGCTGTGTAAATATCTGATCTCTACGGTTCTTCTGGGCCCAACATTTCTCCATATATCCA	900
DB	863	AGCTGTGTAAATATCTGATCTCTACGGTTCTTCTGGGCCCAACATTTCTCCATATATCCA	922
QY	901	GCACACATCATTTTAAATATTTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAG	960
DB	923	GCACACATCATTTTAAATATTTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAG	982
QY	961	AATAACATTTACTCATTTTGTTCAAAAGACCTTGTGTTGCTGCCTTAATATGAGTGTACT	1020
DB	983	AATAACATTTACTCATTTTGTTCAAAAGACCTTGTGTTGCTGCCTTAATATGAGTGTACT	1042
QY	1021	GTTTTTCTTAAGGAGTGTTCGGCCCGAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA	1080
DB	1043	GTTTTTCTTAAGGAGTGTTCGGCCCGAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA	1102
QY	1081	GATCTTTCCAGGGTTATCTTACTTAGCACAACAGCATGATCATTTACGGAGTGAATATCTA	1140
DB	1103	GATCTTTCCAGGGTTATCTTACTTAGCACAACAGCATGATCATTTACGGAGTGAATATCTA	1162
QY	1141	ATCAACATCATCTCAGTGTCTTTGCCCATACTGAAATTTCAATTTCCCACTTTTGTGCCCA	1200
DB	1163	ATCAACATCATCTCAGTGTCTTTGCCCATACTGAAATTTCAATTTCCCACTTTTGTGCCCA	1222
QY	1201	TTCTCAAGACCTTCAAAATGTCAATTCATTAATATCACAGGATTAATTTTTTTAAACC	1260
DB	1223	TTCTCAAGACCTTCAAAATGTCAATTCATTAATATCACAGGATTAATTTTTTTAAACC	1282
QY	1261	TGGAAGAAATTCATGTTACATGCAGCTATGGGAATTTAAATACATATTTTGTTCAGT	1320
DB	1283	TGGAAGAAATTCATGTTACATGCAGCTATGGGAATTTAAATACATATTTTGTTCAGT	1342
QY	1321	GCAGAGATGACTTAAGTCTCTTATCCCTCCCTTGTGTTGATTTTTTTCCAGTATAAAGT	1380
DB	1343	GCAGAGATGACTTAAGTCTCTTATCCCTCCCTTGTGTTGATTTTTTTCCAGTATAAAGT	1402
QY	1381	TAAATGCTTAGCTTGTACTGAGGCTGTATACAGCAGACGCTCTCCCATCCCTCCAGC	1440
DB	1403	TAAATGCTTAGCTTGTACTGAGGCTGTATACAGCAGACGCTCTCCCATCCCTCCAGC	1462
QY	1441	CTTATCTGTCTATCACCATCAACCCCTCCCATNYSACCTAAACAAAATCTAACTGTAAAT	1500
DB	1463	CTTATCTGTCTATCACCATCAACCCCTCCCATACCACTAAACAAAATCTAACTGTAAAT	1522
QY	1501	CCTTGAAATGCTGAGGNCATACATTTCTCTGCTGCTGAGAGCTCTTCTTGTCTCTT	1560
DB	1523	CCTTGAAATGCTGAGGNCATACATTTCTCTGCTGCTGAGAGCTCTTCTTGTCTCTT	1582
QY	1561	AANTCTAGAATGATGTAAGTTTTTGAATAAGTTGACTATCTTACTTTCATGCAAGAAAGG	1620
DB	1583	AAATCTAGAATGATGTAAGTTTTTGAATAAGTTGACTATCTTACTTTCATGCAAGAAAGG	1642
QY	1621	ACACATATGAGATTCATCATCATGAGACGAAATACTAAAGTGAATTTGATTTATA	1680
DB	1643	ACACATATGAGATTCATCATCATGAGACGAAATACTAAAGTGAATTTGATTTATA	1702
QY	1681	AGAGTTTATAGATAAATATATGAAATGCAAGAKCCACAGAGGGAATGTTTATGGGCACGTT	1740
DB	1703	AGAGTTTATAGATAAATATATGAAATGCAAGAGCCACAGAGGGAATGTTTATGGGCACGTT	1762
QY	1741	TGTAAGCTGGGATGTGAAGMAAGCGAGGAACCTCATAGTATCTTATATATATATCTT	1800
DB	1763	TGTAAGCTGGGATGTGAAGMAAGCGAGGAACCTCATAGTATCTTATATATATATCTT	1822
QY	1801	CATTTCTCTATCTCATCATCAATATCCAAAGCTTTTTCACAGAAATTCATGCAAGTGCAAA	1860
DB	1823	CATTTCTCTATCTCATCATCAATATCCAAAGCTTTTTCACAGAAATTCATGCAAGTGCAAA	1882
QY	1861	TCCCAAGAGTAACTTTTATCCATTTTCTGAGTGCCTTTTAGAAATTTTGGCAATCA	1920
DB	1883	TCCCAAGAGTAACTTTTATCCATTTTCTGAGTGCCTTTTAGAAATTTTGGCAATCA	1942

QY	1021	GTTTTTTCCTTAAGGAGTGTCTGGGCCCAGGGGATCTGTGAACAGGCTCGGAAGCAATCTCAA	1080
DB	1043	GTTTTTTCCTTAAGGAGTGTCTGGGCCCAGGGGATCTGTGAACAGGCTCGGAAGCAATCTCAA	1102
QY	1081	GATCTTTCAGGGGTATACCTTACTAGCACACAGCATGATCAATACGGAGTGAATATATCTA	1140
DB	1103	GATCTTTCAGGGGTATACCTTACTAGCACACAGCATGATCAATACGGAGTGAATATATCTA	1162
QY	1141	ATCAACATCATCTCAGTGTCCTTGGGCCATACCTGAAGATTCATTTCCCACTTTTGTGGCCCA	1200
DB	1163	ATCAACATCATCTCAGTGTCCTTGGGCCATACCTGAAGATTCATTTCCCACTTTTGTGGCCCA	1222
QY	1201	TTCTCAAGACCTCAAAATGTCAATTCACATTAATACACAGATTAACATTTTAAACC	1260
DB	1223	TTCTCAAGACCTCAAAATGTCAATTCACATTAATACACAGATTAACATTTTAAACC	1282
QY	1261	TGGAAGAATTCAATGTTCATGACAGCTATGGGAATTTAAATACATATTTTGTTCACGT	1320
DB	1283	TGGAAGAATTCAATGTTCATGACAGCTATGGGAATTTAAATACATATTTTGTTCACGT	1342
QY	1321	GCAAGAGTACTAAGTCTTATCCCTCCCTTGTGTGAATTTTTCAGATATAAGT	1380
DB	1343	GCAAGAGTACTAAGTCTTATCCCTCCCTTGTGTGAATTTTTCAGATATAAGT	1402
QY	1381	TAAATGCTTTAGCCTTGCTACTGAGGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGC	1440
DB	1403	TAAATGCTTTAGCCTTGCTACTGAGGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGC	1462
QY	1441	CTTATCTGTCTATCACCATCAACCCCTCCCATNYSACCTAAACAAATCTAACTTGTAATT	1500
DB	1463	CTTATCTGTCTATCACCATCAACCCCTCCCATACCACTAAACAAATCTAACTTGTAATT	1522
QY	1501	CTTTGAACATGTCAGGNCATACATRTTCTCTGCTCTGAGAAGCTCTTCTCTGTCTCTT	1560
DB	1523	CTTTGAACATGTCAGGNCATACATRTTCTCTGCTCTGAGAAGCTCTTCTCTGTCTCTT	1582
QY	1561	AAATCTAGAATGATGTAAGTTTGAATAAGTTGACTATCTTACTCATGCAAGAAGGG	1620
DB	1583	AAATCTAGAATGATGTAAGTTTGAATAAGTTGACTATCTTACTCATGCAAGAAGGG	1642
QY	1621	ACACATATGAGATTCATCATCATGAGACAGACAAATACATAAAGTGTAAATTCATTTATA	1680
DB	1643	ACACATATGAGATTCATCATCATGAGACAGACAAATACATAAAGTGTAAATTCATTTATA	1702
QY	1681	AGAGTTTAGATAAATATATGAATGCAAGAKCCAACAGAGGAATGTTTATGGGCGACGTT	1740
DB	1703	AGAGTTTAGATAAATATATGAATGCAAGAGCCAACAGAGGAATGTTTATGGGCGACGTT	1762
QY	1741	TGTAAGCCTGGGATGTGAAGMAAGGAGGGAACCTCATAGTATCTTATATATATATCTT	1800
DB	1763	TGTAAGCCTGGGATGTGAAGMAAGGAGGGAACCTCATAGTATCTTATATATATATATCTT	1822
QY	1801	CAATTCCTATCTCATCAAAATCAACAAAGCTTTTACAGAAATTCATGCAAGTGCAAA	1860
DB	1823	CAATTCCTATCTCATCAAAATCAACAAAGCTTTTACAGAAATTCATGCAAGTGCAAA	1882
QY	1861	TCCCAAGGTAACCTTTATCCATTTCAATGGTGAGTCGGCTTTAGAAATTTTGGCAATCA	1920
DB	1883	TCCCAAGGTAACCTTTATCCATTTCAATGGTGAGTCGGCTTTAGAAATTTTGGCAATCA	1942
QY	1921	TACTGGTCACTTATCTCAACTTTTGAGATGTTTGTCTCTGTAGTATTAATTTGAAGAAATA	1980
DB	1943	TACTGGTCACTTATCTCAACTTTTGAGATGTTTGTCTCTGTAGTATTAATTTGAAGAAATA	2002
QY	1981	GGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTCTGGCAATAAAGAAATTTACAAAGA	2037
DB	2003	GGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTCTGGCAATAAAGAAATTTACAAAGA	2059

RESULT 5
US-09-651-236-690
; Sequence 690, Application US/09651236

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; Patent No. 6818751
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651,236
; CURRENT FILING DATE: 2000-08-29
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-651-236-690

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Query Match.	99.8%;	Score 3923;	DB 4;	Length 3923;
Best Local Similarity	99.6%;	Pred. No. 0;		
Matches 2029;	Conservative	5;	Mismatches 3;	Indels 0; Gaps 0;

Qy	1	AGAAGCTGGCATCAGAAAAACAGAGGGAGATTTGTGTGGCTGCAGCGCAGGGAGACCAAG	60
Db	23	AGAAGCTGGCATCAGAAAAACAGAGGGAGATTTGTGTGGCTGCAGCGCAGGGAGACCAAG	82
Qy	61	GAAGATCTGCATGGTGGGAAGGACCTGATGATACAGAGGAATTAACAACACATATACTTTAG	120
Db	83	GAAGATCTGCATGGTGGGAAGGACCTGATGATACAGAGGAATTAACAACACATATACTTTAG	144
Qy	121	TGTTTCAATGAACACCAAGATAAATAAGTGAAGAGCTAGTCCGCTGTGAGTCTCTCAGT	180
Db	143	TGTTTCAATGAACACCAAGATAAATAAGTGAAGAGCTAGTCCGCTGTGAGTCTCTCAGT	202
Qy	181	GACACGGGCTGCATCACCATCGACGGCACCTTTCTGAGTACTCTAGTGCAGCAAAAGAAAGA	240
Db	203	GACACGGGCTGCATCACCATCGACGGCACCTTTCTGAGTACTCTAGTGCAGCAAAAGAAAGA	262
Qy	241	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGA	300
Db	263	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGA	322
Qy	301	GGCCACACATCTGCTGAAATGGAGATAAATTAACATCACTAGAAACACGACAGATCAACA	360
Db	323	GGCCACACATCTGCTGAAATGGAGATAAATTAACATCACTAGAAACACGACAGATCAACA	382
Qy	361	TAATGTCTAAGTAGTGACATGTTTTTGACATATTCAGCCCTTTAAATATCCACACACA	420
Db	383	TAATGTCTAAGTAGTGACATGTTTTTGACATATTCAGCCCTTTAAATATCCACACACA	442
Qy	421	CAGGAAGCACAAGGAAGCACAGATCCCTGGGAGAAATGCCCGCCGCCCATCTTTGGG	480
Db	443	CAGGAAGCACAAGGAAGCACAGATCCCTGGGAGAAATGCCCGCCGCCCATCTTTGGG	502
Qy	481	TCATCGATGAGCCTCGCCCTGCTGGTCCCGCTGTGAGGGNAGACATTAGAAATG	540
Db	503	TCATCGATGAGCCTCGCCCTGCTGGTCCCGCTGTGAGGGNAGACATTAGAAATG	562
Qy	541	AAATTGATGTGTTCTTTAAAGGATGGGCAGGAAAAACAGATCTGTGTGTGGATATTTATTGT	600

Db 563 AATTGATGTTCTTAAAGGATGGGAGAAACAGATCCTGTTGTGGATATTTATTTG 622
Qy 601 AACGGGATACAGATTTGAAATGAAAGTCAAAAGTGAGCATTAACCAATGAGAGGAAACA 660
Db 623 AACGGGATACAGATTTGAAATGAAAGTCAAAAGTGAGCATTAACCAATGAGAGGAAACA 682
Qy 661 GACGAGAAATCTTGATGGCTTCAAGAATCAAGATCAAAACAAATGGAATCTGTGATG 720
Db 683 GACGAGAAATCTTGATGGCTTCAAGAATCAAGATCAAAACAAATGGAATCTGTGATG 742
Qy 721 ACATGAGGAGCAAGCTGGGAGGAGATAAACACGGGAGAGGCTCAGGATTTCTGGCC 780
Db 743 ACATGAGGAGCAAGCTGGGAGGAGATAAACACGGGAGAGGCTCAGGATTTCTGGCC 802
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Db 803 CTGCTGCTAAATCTGTCGCTTCAATAACCAATCATTTTCAATATTTCTAAACCTCAAAACAA 862
Qy 841 AGCTGTTGTAATCTGATCTTACGGTTCCTTCTGGGCCCAACATCTCCATATATCA 900
Db 863 AGCTGTTGTAATCTGATCTTACGGTTCCTTCTGGGCCCAACATCTCCATATATCA 922
Qy 901 GCCACACTCATTTTAAATATTTAGTTCCAGATCTGTGACCTTTCTACCTAG 960
Db 923 GCCACACTCATTTTAAATATTTAGTTCCAGATCTGTGACCTTTCTACCTAG 982
Qy 961 AATAACATTAATCTATTTGTTCAAGACCCCTTCTGTTGCTGCTCAATATGTAGCTGACT 1020
Db 983 AATAACATTAATCTATTTGTTCAAGACCCCTTCTGTTGCTGCTCAATATGTAGCTGACT 1042
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Qy 1081 GATCTTTCCAGGGTTATCTTACTAGACACAGCATGATCATTAACGGAGTGAATATCTA 1140
Db 1103 GATCTTTCCAGGGTTATCTTACTAGACACAGCATGATCATTAACGGAGTGAATATCTA 1162
Qy 1141 ATCAACATCATCTCAGTGTCTTGGCCATCTGAAATTCATTTCCACCTTTTGTGCCCA 1200
Db 1163 ATCAACATCATCTCAGTGTCTTGGCCATCTGAAATTCATTTCCACCTTTTGTGCCCA 1222
Qy 1201 TTCTCAAGACCTCAAAATGTCAATCAATTAATATCAAGATTAATCTTTTAAACC 1260
Db 1223 TTCTCAAGACCTCAAAATGTCAATCAATTAATATCAAGATTAATCTTTTAAACC 1282
Qy 1261 TGGAGAATTCATGTTACATGAGCTATGGGAATTAATACATATTTGTTTCCAGT 1320
Db 1283 TGGAGAATTCATGTTACATGAGCTATGGGAATTAATACATATTTGTTTCCAGT 1342
Qy 1321 GCAAGATGATTAAGTCTTATCTCCTCCCTTTGTTGATTTTTCAGTATAAAGT 1380
Db 1343 GCAAGATGATTAAGTCTTATCTCCTCCCTTTGTTGATTTTTCAGTATAAAGT 1402
Qy 1381 TAAATGCTTAGCTTGTACTGAGGCTGTATACAGACAGCCTCTCCCATCCCTCCAGC 1440
Db 1403 TAAATGCTTAGCTTGTACTGAGGCTGTATACAGACAGCCTCTCCCATCCCTCCAGC 1462
Qy 1441 CTTATCTGTATCACCATCAACCCCTCCCATCTTAACCAATCAAAATCTAACTGTAAT 1500
Db 1463 CTTATCTGTATCACCATCAACCCCTCCCATCTTAACCAATCAAAATCTAACTGTAAT 1522
Qy 1501 CCTTGAACATGTGAGGCTGTATCTTCTGCTGAGAGCTCTTCTTGTCTCTT 1560
Db 1523 CCTTGAACATGTGAGGCTGTATCTTCTGCTGAGAGCTCTTCTTGTCTCTT 1582
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Db 1583 AANTCTAGAATGATGTAAGTTTGAATGAGTGTATCTTACTTCAATCAAGAGG 1642
Qy 1621 ACATATGAGATTCATCATCATGACAGCAAAATACATAAAGTGTAAATTTGATTATA 1680

Db 1643 ACATATGAGATTCATCATCATGAGACAGCAAAATCTAAAGTGTAAATTTGATTATA 1702
Qy 1681 ACAGTTTATAGATAAATATATGAAATCAAGAKKCCACAGAGGGAATGTTTATGGGCGACGTT 1740
Db 1703 ACAGTTTATAGATAAATATATGAAATCAAGAGCCACAGAGGGAATGTTTATGGGCGACGTT 1762
Qy 1741 TGTAAAGCTGGGATGTGAAGMAAAGCGGGAACCTCATAGTATCTTATATATATACTT 1800
Db 1763 TGTAAAGCTGGGATGTGAAGCAAGGCGGGAACCTCATAGTATCTTATATATATACTT 1822
Qy 1801 CATTTCTCTATCTCTATCAATATATCAAGCTTTTCAAGAAATTCATGAGTGCATAA 1860
Db 1823 CATTTCTCTATCTCTATCAATATATCAAGCTTTTCAAGAAATTCATGAGTGCATAA 1882
Qy 1861 TCCCAAAAGGTAAACCTTTATCCATTTCAATGAGTGGCTTTAGAAATTTGGCAATCA 1920
Db 1883 TCCCAAAAGGTAAACCTTTATCCATTTCAATGAGTGGCTTTAGAAATTTGGCAATCA 1942
Qy 1921 TACTGGTCACTTATCTCAACTTTGAGATGTGTTGCTTGTAGTAAATTTGAAGAAATA 1980
Db 1943 TACTGGTCACTTATCTCAACTTTGAGATGTGTTGCTTGTAGTAAATTTGAAGAAATA 2002
Qy 1981 GGGCACTCTTGTGAGCCACTTTAGGGTTTCACTCTCGGCAATAAAGAAATTTACAAAGA 2037
Db 2003 GGGCACTCTTGTGAGCCACTTTAGGGTTTCACTCTCGGCAATAAAGAAATTTACAAAGA 2059

RESULT 6
US-09-439-313-468
; Sequence 468, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang tuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-468

Query Match 85.3%; Score 1737.8; DB 3; Length 3112;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 1772; Conservative 4; Mismatches 8; Indels 3; Gaps 3;

Qy 252 TCAATGGCGGGGTGAGAAATAAGAAAGCTGCTGACTTTACCATCTGAGGCGCACATC 311
Db 1302 TCAACTAAATAGTGTGAGAAATAAGAAAGCTGCTGACTTTTACCATCTGAGGCGCACATC 1361
Qy 312 TCCTGAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATAATATGCTAAG 371
Db 1362 TCCTGAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATAATATGCTAAG 1421
Qy 372 TAGTGACATGTTTTTGGCAATTTCCAGCCCTTTTAAATATCCACACACACAGGAAGCACA 431
Db 1422 TAGTGACATGTTTTTGGCAATTTCCAGCCCTTTTAAATATCCACACACACAGGAAGCACA 1481
Qy 432 AAAGGAACACAGAGATCCCTGGGAGAAATGCCGGGCCCATCTTTGGGTCTATCGATGAG 491

Db 1482 AAAGGAAGCACAGATCCCTGGAGAAATGCCGCCGCCATCTTGGGTCTCATGATGAG 1541
QY CTTGCGCCCTGTGCTCGCTCGCTGTGAGGGAAGCACATTAGAAATCAATTTGATGTCT 551
Db 1542 CTTGCGCCCTGTGCTCGCTCGCTGTGAGGGAAGCACATTAGAAATCAATTTGATGTCT 1601
QY 552 TCTTAAAGGATGGCGAGGAAACAGATCCTGTGTGGATATTTATTTGAAACGGGATTAC 611
Db 1602 TCTTAAAGGATGGCGAGGAAACAGATCCTGTGTGGATATTTATTTGAAACGGGATTAC 1661
QY 612 AGATTTGAATGAAATGAAATGAAATGAAATGAAATGAAATGAAATGAAATGAAATGAAAT 671
Db 1662 AGATTTGAATGAAATGAAATGAAATGAAATGAAATGAAATGAAATGAAATGAAATGAAAT 1721
QY 672 CTTGATGGCTTCCAAAGACATGCAACAAACAAATGGAATCTCTGATCAGATGAGGAG 731
Db 1722 CTTGATGGCTTCCAAAGACATGCAACAAACAAATGGAATCTCTGATCAGATGAGGAG 1781
QY 732 CCAAGCTGGGAGGAGATTAACCAACGGGGCAGAGGCTCAGGATTTCTGGCCCTCTGCTTAA 791
Db 1782 CCAAGCTGGGAGGAGATTAACCAACGGGGCAGAGGCTCAGGATTTCTGGCCCTCTGCTTAA 1841
QY 792 ACTGTGCTTCAACCAATCATTTTCATATTTCTAACCTCAAAACAAAGCTGTGTAA 851
Db 1842 ACTGTGCTTCAACCAATCATTTTCATATTTCTAACCTCAAAACAAAGCTGTGTAA 1901
QY 852 TATCTGATCTCTACGGTTCCTCTGGGCCCAACATTTCTCATATATCCAGGCACACTCAT 911
Db 1902 TATCTGATCTCTACGGTTCCTCTGGGCCCAACATTTCTCATATATCCAGGCACACTCAT 1961
QY 912 TTTTAAATTTAGTTCCAGATCTGPACTGTGACCTTTCTACACTGTAGATAAATACATTAC 971
Db 1962 TTTTAAATTTAGTTCCAGATCTGPACTGTGACCTTTCTACACTGTAGATAAATACATTAC 2021
QY 972 TCAATTTTGTCAAAGACCTTTCGTGTGCTGCTTAATATGTAGTGTGCTGTTTTCCTTAA 1031
Db 2022 TCAATTTTGTCAAAGACCTTTCGTGTGCTGCTTAATATGTAGTGTGCTGTTTTCCTTAA 2081
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Db 2082 GGAGTGTCTTGGCCCAAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAG 2141
QY 1092 GGTATATCTTACAGACACAGATGATCATTTACGGAGTGAATTAATCAATCAATCAT 1151
Db 2142 GGTATATCTTACAGACACAGATGATCATTTACGGAGTGAATTAATCAATCAATCAT 2201
QY 1152 CCTCAGTGTCTTGGCCCACTACTGMAATTCATTTCCACATTTTGTGCGCCATCTCAAGACC 1211
Db 2202 CCTCAGTGTCTTGGCCCACTACTGMAATTCATTTCCACATTTTGTGCGCCATCTCAAGACC 2261
QY 1212 TCAAAATGTCAATTTCAATATCAAGATTAACATTTTTCCTGCTGCTGCTGCTGCTGCTGCT 1271
Db 2262 TCAAAATGTCAATTTCAATATCAAGATTAACATTTTTCCTGCTGCTGCTGCTGCTGCTGCT 2321
QY 1272 AATGTTACATGAGCTATGGGAATTTAAATTAATTAATTAATTAATTAATTAATTAATTAAT 1331
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QY 1332 TAAGTCTTTATCCCTCCCTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 1391
Db 2382 TAAGTCTTTATCCCTCCCTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 2441
QY 1392 GCCTTGTACTGAGGCTGTATACAG - CACAGCCTCTCCCATCCCTCCAGCCTTATCTGTC 1450
Db 2442 GCCTTGTACTGAGGCTGTATACAGCACAAGCCTCTCCCATCCCTCCAGCCTTATCTGTC 2501
QY 1451 ATCAGCATCAACCCCTCCCATCAATCAATCAATCAATCAATCAATCAATCAATCAATCAAT 1510
Db 2502 ATCAGCATCAACCCCTCCCATG - CACCTAAACAAATCTAACTTGTAAATCTCCTGAAAT 2560
QY 1511 GTGAGGCATCATTTTCTGCTGCTGAGAGCTCTTCTGCTCTCTTAATCTAGAA 1570

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QY 1571 TGATCTAAAGTTTTGAATAAGTTGACTACTTCTTCTCATGCAAAAGAGGACACATATGA 1630
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Db 2680 GATTCATCATCATGAGACAGCAAAATCTAAAAGTGTAAATTTGATTTAAGAGTTTGA 2739
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Db 2740 TAAATATATGAATTCAGAGAGCCACAGAGGNAATGTTTTATGGGCAACGTTTTGTAAGCCTG 2799
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Db 2920 TAACTTTTATCCATTTTCATGCTGCTGCTTGAATTTTGGCAAAATCATACTGCTCAC 2979
QY 1931 TTATCTCAACTTTGAGATGCTGCTGCTGCTTGAATTTTGAAGAAATAGGCACTCTT 1990
Db 2980 TTAATCTCAACTTTGAGATGCTGCTGCTGCTTGAATTTTGAAGAAATAGGCACTCTT 3039
QY 1991 GTGAGCCACTTTAGGGTTTCACTCTGCGCAATAAAGAAATTTACAAAGA 2037
Db 3040 GTGAGCCACTTTAGGGTTTCACTCTGCGCAATAAAGAAATTTACAAAGA 3086

RESULT 7

US-09-352-616A-468
; Sequence 468, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yugu
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-468

Query Match 85.3%; Score 1737.8; DB 3; Length 3112;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 1772; Conservative 4; Mismatches 8; Indels 3; Gaps 3;
QY 252 TCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATC 311
Db 1302 TCACTAAATAGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATC 1361
QY 312 TGCTGAATGAGATAATTAACATCACTAGAAACAGCAAGATGACAATATAATGCTTAAG 371
Db 1362 TGCTGAATGAGATAATTAACATCACTAGAAACAGCAAGATGACAATATAATGCTTAAG 1421
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Db 1422 TAGTGACATGTTTTTGGCACATTTCCAGCCCTTTTAAATATCCACACACACAGGAAGCACA 1481

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QY 432 AAAGGAAGCAGAGATCCCTGGGAGAAATGCCGGCGCCATCTTTGGGTGTCATCGATGAG 491
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Db 1542 CCTCGCCCTGTGCTGGTCCGCTTGTGAGGGAAGGACATTAGAAAATGAATTTGATGTGT 1601
QY 552 TCCTTAAAGGATGGGAGGAGAAACAGATCCTGTGTGGATATTATTTGAAACGGGATTAC 611
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QY 612 AGATTTGAATGAAGTCACAAAGTGAGCATTACCAATGAGAGAAACAGACGAGAAAT 671
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Db 1722 CTTGATGGCTTCAAGAGACATCAACAAACAAATGGAATCTGTGATGACATGAGGCAG 1781
QY 732 CCAAGCTGGGAGGAGATACCAAGGGGAGAGGGTCAGGATTTCTGGCCCTGCTGCTTAA 791
Db 1782 CCAAGCTGGGAGGAGATACCAAGGGGAGAGGGTCAGGATTTCTGGCCCTGCTGCTTAA 1841
QY 792 ACTGTGCGTTTATAACCAATCATTTTCAATTTCTAACCCCTCAAAACAAAGCTGTGTAA 851
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QY 852 TATCTGATCTCTACGGTTCCTTCTGGGCCCAACATTTCCATATATCCAGCCACACTCAT 911
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Db 1962 TTTTAATATTTAGTTCCTGAGATCTGTAAGTCTGTAACCTTTTACACTGAGATAAACAATTAC 2021
QY 972 TCATTTTGTTCAAAGACCTTTCGTGTGTCGCTTAATATGATGACTGACTGTTTTTCTCTAA 1031
Db 2022 TCATTTTGTTCAAAGACCTTTCGTGTGTCGCTTAATATGATGACTGACTGTTTTTCTCTAA 2081
QY 1032 GGAGTGTCTTGCCCGAGGGATCTGTAACAGGCTGGGAAGCATCTCAAGATCTTTCCAG 1091
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QY 1272 AATGTTACATGAGCTATGGGAATTTAAATTAACATATTTTGTGTTCCAGTGCAGAAATGAC 1331
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QY 1392 GCCTTGTACTGAGGCTGTATACAG-CACAGCCTCTCCCATCCCTCCAGCCTTATCTGTC 1450
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Db 2502 ATCACCATCAACCCCTCCCATG-CACCTAAACAATACTAACTTGTAATTCCTTGAACAT 2560
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QY 1931 TTATCTCAACTTTGAGATGTTGTTCTGTTGAGTTAAATTTGAAAGAAATAGGGCACTCTT 1990
Db 2980 TTATCTCAACTTTGAGATGTTGTTCTGTTGAGTTAAATTTGAAAGAAATAGGGCACTCTT 3039
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Db 3040 GTGAGCCACTTTTAGGGTTCACTCTCGCAATAAAGAAATTTACAAAGA 3086
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RESULT 8

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US-09-636-215-468
; Sequence 468, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darriek
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-636-215-468
```

Query Match 85.3%; Score 1737.8; DB 4; Length 3112;

Best Local Similarity 99.2%; Pred. No. 0; Matches 1772; Conservative 4; Mismatches 8; Indels 3; Gaps 3;			
QY	252	TCATCGCAGGGGTGAGAAATAGAAAGCTGCTGACTTTTACCATCTGAGGCCACACATC	311
Db	1302	TCAACTAAATAGGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATC	1361
QY	312	TGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAAATATAATGTCTAAG	371
Db	1362	TGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAAATATAATGTCTAAG	1421
QY	372	TAGTGACATGTTTTTGCACATTTCCAGCCCCCTTTAAATATCCACACACAGGAAGCAC	431
Db	1422	TAGTGACATGTTTTTGCACATTTCCAGCCCCCTTTAAATATCCACACACAGGAAGCAC	1481
QY	432	AAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTGGGTCCATCGATGAG	491
Db	1482	AAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTGGGTCCATCGATGAG	1541
QY	492	CCTCGCCCTGTGCTGGTCCCGCTTGTGAGGAAGACATTAGAAATGAATTTGATGTGT	551
Db	1542	CCTCGCCCTGTGCTGGTCCCGCTTGTGAGGAAGACATTAGAAATGAATTTGATGTGT	1601
QY	552	TCCTTAAAGATGGGCAGGAAACAGATCCTGTTGTGGATATTTATTTGAAACGGGATAC	611
Db	1602	TCCTTAAAGATGGGCAGGAAACAGATCCTGTTGTGGATATTTATTTGAAACGGGATAC	1661
QY	612	AGATTTGAAATGAAGTCACAAATGAGCATTTACCAATGAGGAAACACAGACGAGAAAT	671
Db	1662	AGATTTGAAATGAAGTCACAAATGAGCATTTACCAATGAGGAAACACAGACGAGAAAT	1721
QY	672	CTTGATGGCTTCACAGACATGCAACAAACAAATGGAATACTGTGATGACATGAGGCAG	731
Db	1722	CTTGATGGCTTCACAGACATGCAACAAACAAATGGAATACTGTGATGACATGAGGCAG	1781
QY	732	CMAGCTGGGAGGAGATTAACACGGGGCAGAGGTCAGGATCTGGCCCTGCTGCCTAA	791
Db	1782	CCAAGCTGGGAGGAGATTAACACGGGGCAGAGGTCAGGATCTGGCCCTGCTGCCTAA	1841
QY	792	ACTGTCGGTTTCAACCAATCATTTTCAATATTTCTAACCTCAAAACAAGCTGTGTAA	851
Db	1842	ACTGTCGGTTTCAACCAATCATTTTCAATATTTCTAACCTCAAAACAAGCTGTGTAA	1901
QY	852	TATCTGATCTCTACGGTTTCTTCTGGGCCCAACATTTCTCATATATCCAGGCCACACTAT	911
Db	1902	TATCTGATCTCTACGGTTTCTTCTGGGCCCAACATTTCTCATATATCCAGGCCACACTAT	1961
QY	912	TTTTAATATTTAGTTCCTGATCTGTGACCTTTCTACACTGTAGAATAACATAC	971
Db	1962	TTTTAATATTTAGTTCCTGATCTGTGACCTTTCTACACTGTAGAATAACATAC	2021
QY	972	TCATTTTGTTCAAAGACCTTGTGTTGTGCTGCTAATATGTAGCTGACTGTTTTTCCTAA	1031
Db	2022	TCATTTTGTTCAAAGACCTTGTGTTGTGCTGCTAATATGTAGCTGACTGTTTTTCCTAA	2081
QY	1032	GGAGTGTCTGGCCCAAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGACTTTTCCAG	1091
Db	2082	GGAGTGTCTGGCCCAAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGACTTTTCCAG	2141
QY	1092	GGTTATCTTACTAGCACACAGCATGATCAATTACGGAGTGAATATCTAATCAACATCAT	1151
Db	2142	GGTTATCTTACTAGCACACAGCATGATCAATTACGGAGTGAATATCTAATCAACATCAT	2201
QY	1152	CCTCAGTGTCTTGGCCCATACTGAAATTCATTTCCACATTTTGTGCCCATCTCAAGACC	1211
Db	2202	CCTCAGTGTCTTGGCCCATACTGAAATTCATTTCCACATTTTGTGCCCATCTCAAGACC	2261
QY	1212	TCAAAATGTCAATCCATTAATATCAAGAGTAACCTTTTTTTTTTAACTGGGAAGATTC	1271
Db	2262	TCAAAATGTCAATCCATTAATATCAAGAGTAACCTTTTTTTTTTAACTGGGAAGATTC	2321
QY	1272	AATGTTACATCGAGCTATGGGAATTTAATACATATTTTGTTCAGTGCAGAGATGAC	1331
Db			

2322	AATGTTACATCGAGCTATGGGAATTTAATACATATTTTGTTCAGTGCAGAGATGAC	2381
1332	TAAAGTCCTTTATCCCTCCCTTTTGTGATTTTTTCCAGTATAAAGTTAAATGCTTTA	1391
2382	TAAAGTCCTTTATCCCTCCCTTTTGTGATTTTTTCCAGTATAAAGTTAAATGCTTTA	2441
1392	GCCTTGTAAGTGGGTGTATACAG-CACAGGCTCTCCCCATCCCTCCAGCCCTTATCTGTC	1450
2442	GCCTTGTAAGTGGGTGTATACAGCCACAGGCTCTCCCCATCCCTCCAGCCCTTATCTGTC	2501
1451	ATCACATCAACCCCTCCATNYSACCTAAACAAATCTAACTGTGTAATTCCTTGAAAT	1510
2502	ATCACATCAACCCCTCCCATG-CACCTAAACAAATCTAACTGTGTAATTCCTTGAAAT	2560
1511	GTGAGNCATACATTTTTCTTCTGCTGAGAAGCTCTTCTTGTCTCTTAANTCTAGAA	1570
2561	GTGAG-CATACATTTTCTTCTGCTGAGAAGCTCTTCTTGTCTCTTAANTCTAGAA	2619
1571	TGATGTAAAGTTTGAATTAAGTTGACTATCTTCTCATGCAAGAGGACACATATGA	1630
2620	TGATGTAAAGTTTGAATTAAGTTGACTATCTTCTCATGCAAGAGGACACATATGA	2679
1631	GATTCATCATCACATGACAGACAAATCTAAAGTGAATTTGATTAAGAGTTTGA	1690
2680	GATTCATCATCACATGACAGACAAATCTAAAGTGAATTTGATTAAGAGTTTGA	2739
1691	TAAATATATGAAATGCAAGKCCACAGAGGAATGTTTTATGGGCACTTTGTAAAGCCTG	1750
2740	TAAATATATGAAATGCAAGKCCACAGAGGAATGTTTTATGGGCACTTTGTAAAGCCTG	2799
1751	GGATGTGAAGMAAGGCGAGGAACTCTAGTATCTTATATAATATATCTCATTTCTCTA	1810
2800	GGATGTGAAGMAAGGCGAGGAACTCTAGTATCTTATATAATATATCTCATTTCTCTA	2859
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2860	TCTCTATCACATATCCAAAGCTTTTACAGAAATTCATGCAAGTGCAAATCCCCAAAG	2919
1871	TAACTTTTATCATTTTCACTGAGTGGCTTTAGAAATTTGGCAAAATCATACTGGTCAC	1930
2920	TAACTTTTATCATTTTCACTGAGTGGCTTTAGAAATTTGGCAAAATCATACTGGTCAC	2979
1931	TTATCTCAACTTTGAGATGTGTTGTCTTGTAGTAAATTTGAAAGAAATAGGGCACTCTT	1990
2980	TTATCTCAACTTTGAGATGTGTTGTCTTGTAGTAAATTTGAAAGAAATAGGGCACTCTT	3039
1991	GTGAGCCACTTTAGGTTTCACTCCTGCGCAATAAAGAAATTTACAAAGA	2037
3040	GTGAGCCACTTTAGGTTTCACTCCTGCGCAATAAAGAAATTTACAAAGA	3086

RESULT 9
US-09-685-166A-468
; Sequence 468, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: DIAGNOSIS OF PROSTATE CANCER
; CURRENT APPLICATION NUMBER: US/09/685,166A
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-685-166A-468

Query Match 85.3%; Score 1737.8; DB 4; Length 3112;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 1772; Conservative 4; Mismatches 8; Indels 3; Gaps 3;

QY	252	TCAATGGCGGGTGAAGATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATC	311
DB	1302	TCAACTAAATAGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATC	1361
QY	312	TGCTGAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAAATATAATGTCTAAG	371
DB	1362	TGCTGAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAAATATAATGTCTAAG	1421
QY	372	TAGTGACATGTTTTGGCAATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAC	431
DB	1422	TAGTGACATGTTTTGGCAATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAC	1481
QY	432	AAAGGACACAGAGATCCCTGGAGAAATCCCGCGCCCATCTTTGGGTCACTGATGAG	491
DB	1482	AAAGGACACAGAGATCCCTGGAGAAATCCCGCGCCCATCTTTGGGTCACTGATGAG	1541
QY	492	CCTCGCCCTGTGCTGGTCCGCTTGTGAGGGAAGGACATTAGAAAATGAATGTGTGT	551
DB	1542	CCTCGCCCTGTGCTGGTCCGCTTGTGAGGGAAGGACATTAGAAAATGAATGTGTGT	1601
QY	552	TCCTTAAAGGATGGGAGGAAAAACAGATCCTGTTGTGGATATTTTGAACGGGATTAC	611
DB	1602	TCCTTAAAGGATGGGAGGAAAAACAGATCCTGTTGTGGATATTTTGAACGGGATTAC	1661
QY	612	AGATTTGAATGAAGTCACAAAGTGAAGTACCAATGAGAGGAAAAACAGAGAAAAAT	671
DB	1662	AGATTTGAATGAAGTCACAAAGTGAAGTACCAATGAGAGGAAAAACAGAGAAAAAT	1721
QY	672	CTTGATGGCTTCAACAGACATCAACAAACAAATGAAATGCTGATGACATGAGGCAG	731
DB	1722	CTTGATGGCTTCAACAGACATGCAACAAACAAATGAAATGCTGATGACATGAGGCAG	1781
QY	732	CCAAGCTGGGGAGAGATAACCAAGGGGAGAGGGTCAGGATTTCTGGCCCTGCTGCTAA	791
DB	1782	CCAAGCTGGGGAGAGATAACCAAGGGGAGAGGGTCAGGATTTCTGGCCCTGCTGCTAA	1841
QY	792	ACTGTGCGTTTCATAACCAATCATTTTCAATTTCTAACCCCTCAAAACAAAGCTGTGTAA	851
DB	1842	ACTGTGCGTTTCATAACCAATCATTTTCAATTTCTAACCCCTCAAAACAAAGCTGTGTAA	1901
QY	852	TATCTGATCTCTACGGTTCTCTGCGGCCCAACATTTCTCCATATATCCAGCCACACTCAT	911
DB	1902	TATCTGATCTCTACGGTTCTCTGCGGCCCAACATTTCTCCATATATCCAGCCACACTCAT	1961
QY	912	TTTAAATATTTAGTTCCTCCAGATCTGATGTGACCTTTCTACACTGTAGAATAAACATTAC	971
DB	1962	TTTAAATATTTAGTTCCTCCAGATCTGATGTGACCTTTCTACACTGTAGAATAAACATTAC	2021
QY	972	TCATTTTGTTCAAAGACCTTCTGTTGTGCTGCTTAATATGTAGCTGACTGTTTTTCTTAA	1031
DB	2022	TCATTTTGTTCAAAGACCTTCTGTTGTGCTGCTTAATATGTAGCTGACTGTTTTTCTTAA	2081
QY	1032	GGAGTCTTCTGGCCCGAGGGATCTGTGAACAGGCTGGAGAGCATCTCAAGATCTTTCCAG	1091
DB	2082	GGAGTCTTCTGGCCCGAGGGATCTGTGAACAGGCTGGAGAGCATCTCAAGATCTTTCCAG	2141

QY	1092	GGTTATATCTTAGCACAACAGCATGATCAATTAACGAGTGAATTAATCTAATCAACATCAT	1151
DB	2142	GGTTATATCTTAGCACAACAGCATGATCAATTAACGAGTGAATTAATCTAATCAACATCAT	2201
QY	1152	CCTCAGTGTCTTTGGCCCACTACTGAAATTCATTTCCACATTTTGTGCCCATCTCAAGACC	1211
DB	2202	CCTCAGTGTCTTTGGCCCACTACTGAAATTCATTTCCACATTTTGTGCCCATCTCAAGACC	2261
QY	1212	TCAAAATGTCAATTCATTAATATCAAGGATTAACCTTTTTTTTTTAACTGGAAGAAATTC	1271
DB	2262	TCAAAATGTCAATTCATTAATATCAAGGATTAACCTTTTTTTTTTAACTGGAAGAAATTC	2321
QY	1272	AATGTTACATGAGCTATGGGAATTAATTAATATTAATTTTGTGTTTCCAGTGCAGAAATGAC	1331
DB	2322	AATGTTACATGAGCTATGGGAATTAATTAATATTAATTTTGTGTTTCCAGTGCAGAAATGAC	2381
QY	1332	TAAAGTCTTTATCCCTCCCTTTTGTGTTTTCAGTATAAAGTTAAATGCTTTA	1391
DB	2382	TAAAGTCTTTATCCCTCCCTTTTGTGTTTTCAGTATAAAGTTAAATGCTTTA	2441
QY	1392	GCCTTTGATAGGCTGTATACAG - CACAGCCCTCTCCCATCCCTCCAGCCCTTATCTGTC	1450
DB	2442	GCCTTTGATAGGCTGTATACAGCCACAGCCCTCTCCCATCCCTCCAGCCCTTATCTGTC	2501
QY	1451	ATCAGCATCAACCCCTCCATNYACCTTAACAAATCTAATCTGTTGTAATCTCTGAAAT	1510
DB	2502	ATCAGCATCAACCCCTCCCATG - CACCTAAACAAATCTAATCTGTTGTAATCTCTGAAAT	2560
QY	1511	GTGAGNCATACATTTCTCTGCTGAGAGGCTCTTCTCTGCTCTTAANTCTAGAA	1570
DB	2561	GTGAGG - CATACATTAATCTCTGCTGAGAGGCTCTTCTCTGCTCTTAANTCTAGAA	2619
QY	1571	TGATGTAAAGTTTGAATAAGTTGACTATCTTCTTCTATGCAAGAAAGGACACATATGA	1630
DB	2620	TGATGTAAAGTTTGAATAAGTTGACTATCTTCTTCTATGCAAGAAAGGACACATATGA	2679
QY	1631	GATTCATCATCATGAGACAGCAATACTAAAAGTGAATTTGATTAATGAAGTTTGA	1690
DB	2680	GATTCATCATCATGAGACAGCAATACTAAAAGTGAATTTGATTAATGAAGTTTGA	2739
QY	1691	TAAATATATGAATGCAAGKCCACAGAGGAACTGTTTATGGGCGACGTTTGTAAAGCCTG	1750
DB	2740	TAAATATATGAATGCAAGAGCCACAGAGGAACTGTTTATGGGCGACGTTTGTAAAGCCTG	2799
QY	1751	GGATGTGAAGMAAGGAGGAACTCTATGATGATCTTATATATATATCTTCAATTTCTCTA	1810
DB	2800	GGATGTGAAGMAAGGAGGAACTCTATGATGATCTTATATATATATCTTCAATTTCTCTA	2859
QY	1811	TCTCTATCAATATCCCAAGCTTTTTCACAGAAATTCATGAGTGCAGAAATCCCAAGG	1870
DB	2860	TCTCTATCAATATCCCAAGCTTTTTCACAGAAATTCATGAGTGCAGAAATCCCAAGG	2919
QY	1871	TAACTTTTATCCATTTTCATGTTGAGTGCCTTTAGAAATTTTGGCAAACTACTGTCAC	1930
DB	2920	TAACTTTTATCCATTTTCATGTTGAGTGCCTTTAGAAATTTTGGCAAACTACTGTCAC	2979
QY	1931	TTATCTCAACTTTGAGATGTTGTTGTTCTCTTGTAGTTAAATTTGAAGAAATAGGGCACTTT	1990
DB	2980	TTATCTCAACTTTGAGATGTTGTTGTTCTCTTGTAGTTAAATTTGAAGAAATAGGGCACTTT	3039
QY	1991	GTGAGCCACTTTAGGGTTCATCTCCGGCAATAAAGAAATTTACAAGA	2037
DB	3040	GTGAGCCACTTTAGGGTTCATCTCTGGCAATAAAGAAATTTACAAGA	3086

RESULT 10
US-09-679-426-468
; Sequence 468, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.

Qy 1991 GTGAGCCACTTTAGGGTTCACTCTCGCAATAAAGAAATTTACAAAGA 2037
Db 3040 GTGAGCCACTTTAGGGTTCACTCTCGCAATAAAGAAATTTACAAAGA 3086

RESULT 11

US-09-759-143-468

; Sequence 468, Application US/09759143

; Patent No. 6800746

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Miccham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqi

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

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; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121.427C23

; CURRENT APPLICATION NUMBER: US/09759,143

; NUMBER OF SEQ ID NOS: 934

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 468

; LENGTH: 3112

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-759-143-468

Query Match 85.38; Score 1737.8; DB 4; Length 3112;

Best Local Similarity 99.28; Pred. No. 0;

Matches 1772; Conservative 4; Mismatches 8; Indels 3; Gaps 3;

Qy 252 TCAATGGCAGGGTGAGAAATAAGAAAGGCTGTGACTTTTACCATCTGAGGCCACACATC 311
Db 1302 TCAACTAAATAGGTGAGAAATAGAAAGGCTGTGACTTTTACCATCTGAGGCCACACATC 1361
Qy 312 TGCTGAAATGGAGATAATTAAACATCACTAGAAAACAGCAAGATGACAAATATAATGTCTAAG 371
Db 1362 TGCTGAAATGGAGATAATTAAACATCACTAGAAAACAGCAAGATGACAAATATAATGTCTAAG 1421
Qy 372 TAGTGACATGTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACACA 431
Db 1422 TAGTGACATGTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACACA 1481
Qy 432 AAAGGAGACACAGATATCCCTGGGAGAAATGCCCGGCCCATCTTGGGGTCATCGATGAG 491
Db 1482 AAAGGAGACACAGATATCCCTGGGAGAAATGCCCGGCCCATCTTGGGGTCATCGATGAG 1541
Qy 492 CTTGGCCCTGTGCTGCTCCCGTGTGAGGGAGGACATTAGAAAATGAATTTGATGTGT 551
Db 1542 CTTGGCCCTGTGCTGCTCCCGTGTGAGGGAGGACATTAGAAAATGAATTTGATGTGT 1601
Qy 552 TCCTTAAAGGATGGCAGGAAACAGATCTCTGTGTGTGATATTTTGAACGGGATTAC 611
Db 1602 TCCTTAAAGGATGGCAGGAAACAGATCTCTGTGTGTGATATTTTGAACGGGATTAC 1661
Qy 612 AGATTTGAAATGAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAACACAGCAGAAAT 671
Db 1662 AGATTTGAAATGAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAACACAGCAGAAAT 1721

Qy 672 CTTGATGGCTTCAACAAGCATGCAACAACAATAATGGAATACTGTGATGATGATGAGGCAG 731
Db 1722 CTTGATGGCTTCAACAAGCATGCAACAACAATAATGGAATACTGTGATGATGATGAGGCAG 1781
Qy 732 CCAAGCTGGGGAGAGATACACACGGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCCCTAA 791
Db 1782 CCAAGCTGGGGAGAGATACACACGGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCCCTAA 1841
Qy 792 ACTGTGGCTTCAACCAAAATCAATTTCTAAACCTCAAAACCAAAAGCTGTGTGTAA 851
Db 1842 ACTGTGGCTTCAACCAAAATCAATTTCTAAACCTCAAAACCAAAAGCTGTGTGTAA 1901
Qy 852 TATCTGATCTCTACGGTTCTCTTGGGCCCAACAATCTCCATATATCCAGCCACACTCAT 911
Db 1902 TATCTGATCTCTACGGTTCTCTTGGGCCCAACAATCTCCATATATCCAGCCACACTCAT 1961
Qy 912 TTTTAATATTTAGTCTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATCAACTTAC 971
Db 1962 TTTTAATATTTAGTCTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATCAACTTAC 2021
Qy 972 TCAATTTGTTCAAAGACCCCTTCTGTGCTGCTCAATATATGACTGTGACTGTCTTTTCTCTAA 1031
Db 2022 TCAATTTGTTCAAAGACCCCTTCTGTGCTGCTCAATATATGACTGTGACTGTCTTTTCTCTAA 2081
Qy 1032 GGAGTGTCTGGCCCAAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAG 1091
Db 2082 GGAGTGTCTGGCCCAAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAG 2141
Qy 1092 GGTATATCTTACTAGCACACAGCATCATTAACGAGTGAAATTAATCAATCAACATCAT 1151
Db 2142 GGTATATCTTACTAGCACACAGCATCATTAACGAGTGAAATTAATCAATCAACATCAT 2201
Qy 1152 CCTCAGTGTCTTTGCCCATACAGAAATTCATTTCCACCTTTTGTGCCCATTTCTCAAGACC 1211
Db 2202 CCTCAGTGTCTTTGCCCATACAGAAATTCATTTCCACCTTTTGTGCCCATTTCTCAAGACC 2261
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Db 2262 TCAAAATGTCAATTCATTAATCAAGGATTAACCTTTTAACTGGAAGAAATTC 2321
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Db 2322 AATGTTACATGAGCTATGGAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 2381
Qy 1332 TAAGTCTTTATCCCTCCCTTTTGTGATTTTTCAGTATAAAGTTAAATGCTTA 1391
Db 2382 TAAGTCTTTATCCCTCCCTTTTGTGATTTTTCAGTATAAAGTTAAATGCTTA 2441
Qy 1392 GCCTGTACTGAGGCTGTATACAG-CACAGCCTCTCCCATCCCTCCAGCCTTATCTGTC 1450
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Db 2561 GTCAGG-CATACATTAATCTCTGCTGAGAGCTCTTCTTGTCTCTTAATCTAGAA 2619
Qy 1571 TGATGAAAGTTTGAATTAAGTTGACTATCTTCTCATGCAAGAGGACACATATGA 1630
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Qy 1631 GATTCATCATCATGAGACAGCAATACTAAAGTGTAATTTGATTATAAGAGTTTGA 1690
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Qy 1691 TAAATATGAATGCAAGACACAGAGGGGAATGTTTATGGGGCACGTTTGTGAAGCCTG 1750
Db 2740 TAAATATGAATGCAAGACACAGAGGGGAATGTTTATGGGGCACGTTTGTGAAGCCTG 2799
Qy 1751 GGATGTGAAGMAAGGCAGGGAACTCTATATCTTATATATATATATATCTTCAATTTCTCTA 1810


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QY 1462 CCCCTCCCATNYSACCTAAACAAAATCTAACTTGTGTAATTCCTTGAACATGTCAGGNCATA 1521
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QY 1522 CATTTRTCTCTGCGCTGAGAAGCTCTTCCGTGTCTCTTAANTCTAGAATGATGAAGT 1581
Db : : : : :
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QY 1582 TTTGAATAAGTTGACTATCTTACTTCATGCAAGAAGGAGACACATATGAGATTCATCATC 1641
Db : : : : :
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QY 1642 ACATGAGACAGCAAAATCTAAAGTGTAAATTTGATTATAAGAGTTTAGATAAATATATGA 1701
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Db : : : : :
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QY 1762 AAAGGCAGGAACCTCATAGTATCTTATATAATATATCTTCTATCTCTATCATA 1821
Db : : : : :
271 AAAGGCAGGAACCTCATAGTATCTTATATAATATATCTTCTATCTCTATCATA 212
QY 1822 ATATCCAAACAAGCTTTTCAAGAAATTCATGCAAGTGCATAATCCCAAGGTAACCTTTATC 1881
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RESULT 14
US-09-352-616A-470/c
; Sequence 470, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: RastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-470

Query Match 85.0%; Score 1731.4; DB 3; Length 2426;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1762; Conservative 4; Mismatches 2; Indels 3; Gaps 3;

QY 263 GGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG 322
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QY 323 AGATAAATTAACATCACTAGAAAACAGCAAGATGACAAATATAATGTCTAAAGTAGTGACATGT 382
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1709 AGATAAATTAACATCACTAGAAAACAGCAAGATGACAAATATAATGTCTAAAGTAGTGACATGT 1650
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1589 AGAGATCCCTGGGAGAAAATGCCCGCCGCATCTTTGGGTCATCGATGAGCCTCGCCCTGT 1530
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QY 863 TACGGTTCTCTGCGGCCCAACATTTCTCATATATCCAGCCACACATCAATTTTAAATATTT 922
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1169 TACGGTTCTCTGCGGCCCAACATTTCTCATATATCCAGCCACACATCAATTTTAAATATTT 1110
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1049 AAAGACCCCTTCTGTTGCTGCCCTAAATATGATGACTGTTTTTCTTAAGGAGTGTCTG 990
QY 1043 GCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTACTTTA 1102
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QY 1343 TCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGTTTAAATGCTTAGCCCTTGTTACTG 1402
Db : : : : :
689 TCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGTTTAAATGCTTAGCCCTTGTTACTG 630
QY 1403 AGGCTGTATACAG-CACAGCCTCTCCCATCCCTCAGCCTTATCTGTGTCATCACCATCAA 1461
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Db 629 AGGCTGTATAGCCAGAGCTCTCCCATCCCTCCAGCCTTATCTGTGCATCCACATCAA 570
Qy 1462 CCCCTCCCATNYSACCATAAACAATACTAACTTGTAACTTCTTGAACATGTCAGGNCATA 1521
Db 569 CCCCTCCCATG-CACCTAAACAATACTAACTTGTAACTTCTTGAACATGTCAGG-CATA 512
Qy 1522 CATRTTCTTCTGCTGAGAGCTCTTCTGCTCTTAACTCTGAATGATGTAAGT 1581
Db 511 CATTAATCTTCTGCTGAGAGCTCTTCTGCTCTTAACTCTGAATGATGTAAGT 452
Qy 1582 TTTGAATAAGTTCGACTATCTTACTTCAATGCAAGAGGAGACATATGAGATTCATCATC 1641
Db 451 TTTGAATAAGTTCGACTATCTTACTTCAATGCAAGAGGAGACATATGAGATTCATCATC 392
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Db 391 ACATGAGACAGCAAACTACTAAAAAGTGTAAATTTGATTATAAGAGTTTAGATAAAATATATGA 332
Qy 1702 AATGCAAGAKCCACAGAGGAATGTTTATGGGCGACGTTTGTAAAGCTGGGATGTGAAGM 1761
Db 331 AATGCAAGAGCCACAGAGGAATGTTTATGGGCGACGTTTGTAAAGCTGGGATGTGAAGC 272
Qy 1762 AAAGGAGGGAACCTCATAGTATCTTATATAATATATCTTCAATTTCTCTATCTCTATCACA 1821
Db 271 AAAGGAGGGAACCTCATAGTATCTTATATAATATATCTTCAATTTCTCTATCTCTATCACA 212
Qy 1822 ATATCCAAACAAGCTTTTTCAGAGAAATTCATGAGTGCAGTGCAGAAATCCCAAGGTAACTTTATC 1881
Db 211 ATATCCAAACAAGCTTTTTCAGAGAAATTCATGAGTGCAGTGCAGAAATCCCAAGGTAACTTTATC 152
Qy 1882 CATTCATGCTGAGTGGCTTTAGAAATTTTGGCAATCATATCTGCTCACTTATCTCAACT 1941
Db 151 CATTCATGCTGAGTGGCTTTAGAAATTTTGGCAATCATATCTGCTCACTTATCTCAACT 92
Qy 1942 TTGAGATGTTTGTCTTGTAGTAAATTTGAAGAAATAGGCACTCTTGTGAGCCACTT 2001
Db 91 TTGAGATGTTTGTCTTGTAGTAAATTTGAAGAAATAGGCACTCTTGTGAGCCACTT 32
Qy 2002 TAGGGTTCACTCTCGGCAATAAAGAAATTTAC 2032
Db 31 TAGGGTTCACTCTCGGCAATAAAGAAATTTAC 1

RESULT 15
US-09-636-215-470/c
; Sequence 470, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-636-215-470

Query Match 85.0%; Score 1731.4; DB 4; Length 2426;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1762; Conservative 4; Mismatches 2; Indels 3; Gaps 3;

Qy 263 GGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 322
Db 1769 GGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 1710
Qy 323 AGATAATTAACATCACTAGAAAACAGCAAGATGACATATAATGTCTTAAGTAGTGACATGT 382
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Db 1409 GAAGTCACAAAGTGAAGTATTAACATGAGGAAACAGACGAGAAAAATCTTTGATGGCTT 1350
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Db 1349 CACAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGAGCCAGCTGGGG 1290
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Qy	1462	CCCCTCCCATNYSACCTAAACAAAATCTAACTGCTGAATTCCTTCAAATGTCAGGNCATA	1521
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Total number of hits satisfying chosen parameters: 14632570

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Post-processing: Minimum Match 0%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	2032	99.8	3582	22	US-10-880-425A-2 Sequence 2, Appli
3	2032	99.8	3923	9	US-09-759-143-690 Sequence 690, App
4	2032	99.8	3923	9	US-09-780-669-690 Sequence 690, App
5	2032	99.8	3923	9	US-09-822-827-690 Sequence 690, App
6	2032	99.8	3923	9	US-09-895-793-690 Sequence 690, App
7	2032	99.8	3923	9	US-09-895-814-690 Sequence 690, App

8	2032	99.8	3923	13	US-10-012-896-690 Sequence 690, App
9	2032	99.8	3923	15	US-10-205-823-316 Sequence 316, App
10	2032	99.8	3923	16	US-10-144-678A-690 Sequence 690, App
11	2032	99.8	3923	16	US-10-294-025-690 Sequence 690, App
12	1737.8	85.3	3112	9	US-09-759-143-468 Sequence 468, App
13	1737.8	85.3	3112	9	US-09-780-669-468 Sequence 468, App
14	1737.8	85.3	3112	9	US-09-822-827-468 Sequence 468, App
15	1737.8	85.3	3112	9	US-09-895-793-468 Sequence 468, App
16	1737.8	85.3	3112	9	US-09-895-814-468 Sequence 468, App
17	1737.8	85.3	3112	13	US-10-012-896-468 Sequence 468, App
18	1737.8	85.3	3112	14	US-10-010-940-468 Sequence 468, App
19	1737.8	85.3	3112	16	US-10-144-678A-468 Sequence 468, App
20	1737.8	85.3	3112	16	US-10-294-025-468 Sequence 468, App
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C 22	1731.4	85.0	2426	9	US-09-780-669-470 Sequence 470, App
C 23	1731.4	85.0	2426	9	US-09-822-827-470 Sequence 470, App
C 24	1731.4	85.0	2426	9	US-09-895-793-470 Sequence 470, App
C 25	1731.4	85.0	2426	9	US-09-895-814-470 Sequence 470, App
C 26	1731.4	85.0	2426	13	US-10-012-896-470 Sequence 470, App
C 27	1731.4	85.0	2426	14	US-10-010-940-470 Sequence 470, App
C 28	1731.4	85.0	2426	15	US-10-205-823-448 Sequence 448, App
C 29	1731.4	85.0	2426	16	US-10-144-678A-470 Sequence 470, App
C 30	1731.4	85.0	2426	16	US-10-294-025-470 Sequence 470, App
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C 32	1712.4	84.1	2229	9	US-09-780-669-469 Sequence 469, App
C 33	1712.4	84.1	2229	9	US-09-822-827-469 Sequence 469, App
C 34	1712.4	84.1	2229	9	US-09-895-793-469 Sequence 469, App
C 35	1712.4	84.1	2229	9	US-09-895-814-469 Sequence 469, App
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C 37	1712.4	84.1	2229	14	US-10-010-940-469 Sequence 469, App
C 38	1712.4	84.1	2229	16	US-10-144-678A-469 Sequence 469, App
C 39	1712.4	84.1	2229	16	US-10-294-025-469 Sequence 469, App
C 40	740.8	36.4	876	10	US-09-957-708-3 Sequence 3, Appli
C 41	722.4	35.5	812	9	US-09-759-143-471 Sequence 471, App
C 42	722.4	35.5	812	9	US-09-780-669-471 Sequence 471, App
C 43	722.4	35.5	812	9	US-09-822-827-471 Sequence 471, App
C 44	722.4	35.5	812	9	US-09-895-793-471 Sequence 471, App
C 45	722.4	35.5	812	9	US-09-895-814-471 Sequence 471, App

ALIGNMENTS

RESULT 1

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; Sequence 1, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schaiken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessesels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 2037
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1472)..(1472)
; OTHER INFORMATION: n = a, c, g or t
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1517)..(1517)
; OTHER INFORMATION: n = a, c, g or t

RESULT 2
US-10-880-425A-2
; Sequence 2, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessele, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; PRIOR FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 3582
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-880-425A-2

Query Match 99.8%; Score 2032; DB 22; Length 3582;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 2029; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGAAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGTGCTGCACGCCGAGGAGACCAG 60
DB 23 AGAAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGTGCTGCAGCCGAGGAGACCAG 82

QY 61 GAAGATCTGCATCGTGGGAAGGACCTGATACAGAGGAATTAACAACACATATCTTAG 120
DB 83 GAAGATCTGCATCGTGGGAAGGACCTGATACAGAGGAATTAACAACATATCTTAG 142

QY 121 TGTTTCAATGAACACCAAGATAAATAGTGAAGAGCTAGTCCGCTGTGAGTCTCCTCAGT 180
DB 143 TGTTTCAATGAACACCAAGATAAATAGTGAAGAGCTAGTCCGCTGTGAGTCTCCTCAGT 202

QY 181 GACACAGGCTGCATCACCATCGACCGGCACTTTCTGAGTACTCAGTGCAGCAAGAGA 240
DB 203 GACACAGGCTGCATCACCATCGACCGGCACTTTCTGAGTACTCAGTGCAGCAAGAGA 262

QY 241 CTACAGACATCTCAATGGCAGGGGTGAGAAATAGAAAGGCTGCTGACATTTACCATCTGA 300
DB 263 CTACAGACATCTCAATGGCAGGGGTGAGAAATAGAAAGGCTGCTGACATTTACCATCTGA 322

QY 301 GGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA 360
DB 323 GGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA 382

QY 361 TAATGCTAGTAGTGACATGTTTTGTCACATTTCCAGCCCTTTAAATATCCACACACA 420
DB 383 TAATGCTAGTAGTGACATGTTTTGTCACATTTCCAGCCCTTTAAATATCCACACACA 442

QY 421 CAGGAAGCACAAAAGGAAGACAGAGATCCCTGGGAAATGCCCGCCGCCCATCTTTGGG 480
DB 443 CAGGAAGCACAAAAGGAAGACAGAGATCCCTGGGAAATGCCCGCCGCCCATCTTTGGG 502

QY 481 TCATCGANTAGCCTCGCCCTGTGCTGGTCCCGCTGTGAGGAAAGCAATAGAAATG 540
DB 503 TCATCGANTAGCCTCGCCCTGTGCTGGTCCCGCTGTGAGGAAAGCAATAGAAATG 562

QY 541 AATTGATGTTCTTTAAAGGATGGCAGGAAACAGATCCTGTTGTGGATTTATTTG 600
DB 563 AATTGATGTTCTTTAAAGGATGGCAGGAAACAGATCCTGTTGTGGATTTATTTG 622

QY 601 AACGGATTACAGATTGAAATGAAGTCAAAAAGTGAAGATTAACCAATGAGAGGAAACA 660
DB 623 AACGGATTACAGATTGAAATGAAGTCAAAAAGTGAAGATTAACCAATGAGAGGAAACA 682

QY 661 GACGAGAAAATCTTGATGCTTCAAGAATGCTTCAAGACATGCAACAAACAAATGGAATCTGTGATG 720
DB 683 GACGAGAAAATCTTGATGCTTCAAGAATGCTTCAAGACATGCAACAAACAAATGGAATCTGTGATG 742

QY 721 ACATGAGGAGCAAGCTGGGAGGAGATAAACCGGGGAGAGGCTCAGGATCTTGCGCC 780
DB 743 ACATGAGGAGCAAGCTGGGAGGAGATAAACCGGGGAGAGGCTCAGGATCTTGCGCC 802

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DB 803 CTGCTGCTTAAACTGTGCTTCAACAAATCAATTTCAATATTTTAAACCTCAAAACAA 862

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DB 863 AGCTGTTGTAATATCTGATCTCTACGGTTCCTTCTGGGGCCCAACATTTCCATATATCA 922

QY 901 GCCACACTCATTTTAAATATTTAGTTCCAGATCTGTACTGTGACCTTCTACACATGTAG 960
DB 923 GCCACACTCATTTTAAATATTTAGTTCCAGATCTGTACTGTGACCTTCTACACATGTAG 982

QY 961 AATAACATTTACTCATTTTGTTCAAAGACCTTGTGCTGCTGCTTAAATATGTAGTGTACT 1020
DB 983 AATAACATTTACTCATTTTGTTCAAAGACCTTGTGCTGCTGCTTAAATATGTAGTGTACT 1042

QY 1021 GTTTTTCCTAAGAGTGTCTGCGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1080
DB 1043 GTTTTTCCTAAGAGTGTCTGCGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1102

QY 1081 GATCTTCCAGGGTTATCTTACTACTAGCACACAGCATGATCATTTACGGAGTGAATATCTTA 1140
DB 1103 GATCTTCCAGGGTTATCTTACTACTAGCACACAGCATGATCATTTACGGAGTGAATATCTTA 1162

QY 1141 ATCAACATCATCTCAGTGTCTTTGCCCCATCTGAAATTCATTTCCCACTTTTGTGCCCA 1200
DB 1163 ATCAACATCATCTCAGTGTCTTTGCCCCATCTGAAATTCATTTCCCACTTTTGTGCCCA 1222

QY 1201 TTCTCAAGACCTCAAAATGTCTATTCATTAATATACAGGATTAATTTTTTTTAAAC 1260
DB 1223 TTCTCAAGACCTCAAAATGTCTATTCATTAATATACAGGATTAATTTTTTTTAAAC 1282

QY 1261 TCGAAGATTTCAATGTTTACATGAGTATGGAATTTAATTAATATTTTGTGTTCCAGT 1320
DB 1283 TCGAAGATTTCAATGTTTACATGAGTATGGAATTTAATTAATATTTTGTGTTCCAGT 1342

QY 1321 GCAAGATGACTTAAGTCTTTTATCCCTCCCTTTGTTGATTTTTTCCAGTATAAAGT 1380
DB 1343 GCAAGATGACTTAAGTCTTTTATCCCTCCCTTTGTTGATTTTTTCCAGTATAAAGT 1402

QY 1381 TAAATGCTTAGCCTTGTACTGAGGCTGTATACAGCAGAGCTCTCCCATCTCCCTCCAG 1440
DB 1403 TAAATGCTTAGCCTTGTACTGAGGCTGTATACAGCAGAGCTCTCCCATCTCCCTCCAG 1462

QY 1441 CTTATCTGTATCACCACATCAACCCCTCCCATNYSACTTAAACAAATCTAACTGTAAAT 1500
DB 1463 CTTATCTGTATCACCACATCAACCCCTCCCATNYSACTTAAACAAATCTAACTGTAAAT 1522

QY 1501 CTTGAAACATGTCAGGNCATACATTTCTTCTGCTGAGAAAGCTCTTCTGTTCTCTT 1560
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QY 1561 AANTCTAGATGATTAAGTTTGAATTAAGTTGACTATCTTACTTCTGCAAGAGAGG 1620
DB 1583 AANTCTAGATGATTAAGTTTGAATTAAGTTGACTATCTTACTTCTGCAAGAGAGG 1642

QY 1621 ACACATATGAGATTCATCATCATGAGACGAAATCTAAAGTGAATTTGATTATA 1680
DB 1643 ACACATATGAGATTCATCATCATGAGACGAAATCTAAAGTGAATTTGATTATA 1702

QY 1681 AGAGTTTATGATTAATATGAAATCAAGAKCCACAGAGGGAATGTTTATGGGACCGTT 1740
DB 1703 AGAGTTTATGATTAATATGAAATCAAGAGGGAATGTTTATGGGACCGTT 1762

QY 1741 TGTAAAGCCTGGGATGTGAAGMAAAGGACGGGAACCTCATAGTATCTTATATAATATACTTT 1800

Db 1763 |||||:||||| 1822
QY 1801 CATTCTCTATCTCTATCAATATCAAAAGCTTTTTCACAGAAATTCATGAGTGCATA 1860
Db 1823 CATTCTCTATCTCTATCAATATCAAAAGCTTTTTCACAGAAATTCATGAGTGCATA 1882
QY 1861 TCCCCAAAGGTAACTTTATCCATTTTCATGGTGAGTGCCTTTAGAGAAATTTTGGCAAATCA 1920
Db 1883 TCCCCAAAGGTAACTTTATCCATTTTCATGGTGAGTGCCTTTAGAGAAATTTTGGCAAATCA 1942
QY 1921 TACTGCTCACTTATCTCACTTTGAGATGTGTTTTCCTGTAGTTAAATGAAAGAAATA 1980
Db 1943 TACTGCTCACTTATCTCACTTTGAGATGTGTTTTCCTGTAGTTAAATGAAAGAAATA 2002
QY 1981 GGGCACTCTGTGAGCCACTTTTAGGTTTCACTCTGGCAATAAAGAAATTTTACAAGA 2037
Db 2003 GGGCACTCTGTGAGCCACTTTTAGGTTTCACTCTGGCAATAAAGAAATTTTACAAGA 2059

RESULT 3

US-09-759-143-690
; Sequence 690, Application US/09759143
; Patent No. US2002022248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-759-143-690

Query Match 99.8%; Score 2032; DB 9; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 2029; Conservative 5; Mismatches 3; Indels 0; Gaps 0;
QY 1 AGAAGCTGGCATCAGAAACAGAGGGGAGATTGTGTGGCTGCAGCCGAGGGAGACCAG 60
Db 23 AGAAGCTGGCATCAGAAACAGAGGGGAGATTGTGTGGCTGCAGCCGAGGGAGACCAG 82
QY 61 GAAGATCTGCATGGTGGGAGGACCTGATGATACAGAGGAATTTACAAACATATACTTAG 120
Db 83 GAAGATCTGCATGGTGGGAGGACCTGATGATACAGAGGAATTTACAAACATATACTTAG 142
QY 121 TGTTCATGAAACCAAGATAAATAGTGAAGAGCTAGTCCGCTGTGAGTCTCTCAGT 180
Db 143 TGTTCATGAAACCAAGATAAATAGTGAAGAGCTAGTCCGCTGTGAGTCTCTCAGT 202
QY 181 GACACAGGCTGGATCACCATCGACGCACTTCTCAGTACTCAGTGCAGCAAGAAAGA 240

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Db 263 CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGTGCTGATTTTACCATCTGA 322
QY 301 GGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA 360
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QY 361 TAAATGCTTAAGTAGTACATGTTTTTGCACATTTTCCAGCCCTTTAAATATCCACACACA 420
Db 383 TAAATGCTTAAGTAGTACATGTTTTTGCACATTTTCCAGCCCTTTAAATATCCACACACA 442
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Db 443 CAGGAAGCAGAAAAGGAAGCAGAGATCCCTGGGAGAAATGCCCGCGGCCCATCTTGGG 502
QY 481 TCATCGATGAGCCTCGCCCTGTGCTGCCCTGTGCTGCCCTGTGAGGGGAAGGACATTTAGAAAATG 540
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QY 541 AATTGATGCTGTTCTTAAAGGATGGGCAGGAAACAGAGATCCTGTGTGATATTTTATTTG 600
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Db 623 AACGGGATTACAGATTTTCAAAATGAAGTCACAAAGTGAGCATTTACCATGAGAGGAAAAACA 682
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Db 803 CTGCTGCCCTAAACCTGTGCGTTTCAATACCAAAATCAATTTTCATATTTCTAACCCCTCAAAAACA 862
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Db 863 AGCTGTTGTAATATCTGATCTCTAGGGTTCCTTCTGGGGCCCAAGATTTCCATATATATCCA 922
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Db		
1441	CTTATCTGTCAATCACCATCAACCCCTCCCATNYSACCTAAACAAAACTAACTTGTAATT	1500
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1463	CTTATCTGTCAATCACCATCAACCCCTCCCATCAACCTAAACAAAACTAACTTGTAATT	1522
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1501	CCTGTGAACATGTCAGNCAATACATRTTCTCTGCTGAGAGCTCTTCTTGTCTCTTT	1560
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1523	CCTTGAACATGTCAGGACATACATTAATCTCTGCTGAGAGCTCTTCTTGTCTCTTT	1582
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1561	AANTCTAGAAATGATGTAAGTTTTTGAATAAGTTGACHTATCTTACTTCATGCAAGAAGGG	1620
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1643	ACACATATGAGATTTCATCATCACATGAGACAGCAAAATCTAAAGTGTAATTGATTATA	1702
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1681	AGAGTTTAGATAAATATATGAAATGCAAGAKCCACAGAGGGGAATGTTTATGGGGCAGCTT	1740
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1823	CATTCTCTATCTCATCAAAATATCCAAAGCTTTTTCACAGAAATTCATGCAAGTGCAAA	1882
Db		
1861	TCCCCAAAGTAACTTTTATCCATTTTCATGGTGAGTGCCTTTAGAAATTTTGCAAAATCA	1920
Qy		
1883	TCCCCAAAGTAACTTTTATCCATTTTCATGGTGAGTGCCTTTAGAAATTTTGCAAAATCA	1942
Db		
1921	TACTGTGCACTTATCTCAACTTTTGAGATGTGTTGTCTTGTAGTTAAATTTGAAAGAAATA	1980
Qy		
1943	TACTGTGCACTTATCTCAACTTTTGAGATGTGTTGTCTTGTAGTTAAATTTGAAAGAAATA	2002
Db		
1981	GGGCACCTTTGTGAGCCACTTTTAGGTTTCACTCTCTGGCAATAAAGAAATTTACAAGA	2037
Qy		
2003	GGGCACCTTTGTGAGCCACTTTTAGGTTTCACTCTCTGGCAATAAAGAAATTTACAAGA	2059
Db		

RESULT 4

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US-09-780-669-690
; Sequence 690, Application US/09780669
; Patent No. US20020051977A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Scolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: Hural, John

```

[illegible]

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Qy 841 AGCTGTTGTAATATCTGATCTCTACGTTCTCTTCTGGGCCCAACATTTCTCCATATATCCA 900

Db 863 AGCTGTTGTAATATCTGATCTCTACGTTCTCTTCTGGGCCCAACATTTCTCCATATATCCA 922

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Qy 1081 GATCTTTCCAGGGTTATACTTACTAGCACACAGCATGATCATTAACGAGTGAATTAATCTA 1140

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Db 1283 TGAAGAATTCATGTTTACATGAGCTATGGGAATTTAATACATATTTTGTTTTCCAGT 1342

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Qy 1381 TAAATGCTTAGCTTGTACTGAGGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGC 1440

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Qy 1441 CTTATCTGTATCACCATCAACCCCTCCCATNYSACCTAAACAAAATCTAACTTGTAAAT 1500

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Qy 1561 AANTCTAGATGATGTAAGTTTTGAATGATGATCTTACTTCTATGCAAGAGAGG 1620

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Db 1943 TACTGTCATCTTATCTCAACTTTGAGATGTGTTTGTCTTGTAGTTAAATTTGAAAGAAATA 2002

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Db 2003 GGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTCGGCAATAAAGAAATTTACAAAGA 2059

RESULT 5

US-09-822-827-690

; Sequence 690, Application US/09822827

; Patent No. US20020081680A1

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.534C1

; CURRENT APPLICATION NUMBER: US/09/822,827

; NUMBER OF SEQ ID NOS: 982

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 690

; LENGTH: 3923

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-822-827-690

Query Match 99.8%; Score 2032; DB 9; Length 3923;

Best Local Similarity 99.6%; Pred. No. 0;

Matches 2029; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

Qy 1 AGAAGCTGCGATCAGAAAACAGAGGGGAGATTTCTGTGGCTGCAGCCGAGGAGACCAAG 60

Db 23 AGAAGCTGCGATCAGAAAACAGAGGGGAGATTTCTGTGGCTGCAGCCGAGGAGACCAAG 82

Qy 61 GAAAGATCTGCATGTTGGGAAGGACCTGATGATACAGAGGAATTTACAAACATATATCTTAG 120

Db 83 GAAAGATCTGCATGTTGGGAAGGACCTGATGATACAGAGGAATTTACAAACATATATCTTAG 142

Qy 121 TGTTCATATGAACCAACAGATAAATTAAGTGAAGACTAGTCCGCTGTGAGTCTCTCAGT 180

Db 143 TGTTCATATGAACCAACAGATAAATTAAGTGAAGACTAGTCCGCTGTGAGTCTCTCAGT 202

Qy 181 GACACAGGCTGGATCACCATCGAGGACATTTCTGAGTACTCAGTGCAGCAAGAAAGA 240

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Qy 241 CTACAGACATCTCAATGGCAGGGGTGAGAAATTAAGAAAGGCTGCTGACTTTTACCATCTGA 300

Db 263 CTACAGACATCTCAATGGCAGGGGTGAGAAATTAAGAAAGGCTGCTGACTTTTACCATCTGA 322

Qy 301 GGCACACATCTGCTGAAATGGAGATTAATTAACATCACTAGAAAACAGCAGATGACAATA 360

Db 323 GGCACACATCTGCTGAAATGGAGATTAATTAACATCACTAGAAAACAGCAGATGACAATA 382

Qy 361 TAATGCTTAAGTGAATGACATGTTTTTGCACATTTCCAGCCCTTTTAAATATCCACACACA 420

Db 383 TAATGCTTAAGTGAATGACATGTTTTTGCACATTTCCAGCCCTTTTAAATATCCACACACA 442

Qy 421 CAGGAAGCACAAAAGGAAGCAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTTGGG 480

Db 443 CAGGAAGCACAAAAGGAAGCAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTTGGG 502

Qy 481 TCATGATGAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540

Db 503 TCATGATGAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 562

Qy 541 AATTGATGTTTCTTAAAGGATGGCAGGAAAAACAGATCCCTGTTGTGATATTTATTG 600

Db 563 AATTGATGTTTCTTAAAGGATGGCAGGAAAAACAGATCCCTGTTGTGATATTTATTG 622

601 AACGGATTACAGATTGAAATGAAAGTCAAAAGTGAAGATTAACCAATGAGAGAAAAACA 660
623 AACGGATTACAGATTGAAATGAAAGTCAAAAGTGAAGATTAACCAATGAGAGAAAAACA 682
661 GACGAGAAATCTTGATGCTTACAAAGATCAAGCAAAACAAATGGAATCTGTGATG 720
683 GACGAGAAATCTTGATGCTTACAAAGATCAAGCAAAACAAATGGAATCTGTGATG 742
721 ACATGAGGAGCAACCTGCGGGAGGAGATAACCAAGGAGGAGGCTCAGGATTTCTGGCC 780
743 ACATGAGGAGCAACCTGCGGGAGGAGATAACCAAGGAGGAGGCTCAGGATTTCTGGCC 802
781 CTGCTGCTAAACTGCGGTTCAATACCAATCAATTTCAATTTCTAAACCTCAAAACAA 840
803 CTGCTGCTAAACTGCGGTTCAATACCAATCAATTTCAATTTCTAAACCTCAAAACAA 862
841 AGCTGTTGTAATCTGATCTCTACCGTTCTCTGCGGCCCAACATCTCCCATATATCCA 900
863 AGCTGTTGTAATCTGATCTCTACCGTTCTCTGCGGCCCAACATCTCCCATATATCCA 922
901 GGCACACTCAATTTTAATATTTAGTTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG 960
923 GGCACACTCAATTTTAATATTTAGTTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG 982
961 AATAACATTACTCAATTTTGTTCAAAGACCTTCTGCTGCTGCTGCTGCTGCTGCTGCT 1020
983 AATAACATTACTCAATTTTGTTCAAAGACCTTCTGCTGCTGCTGCTGCTGCTGCTGCT 1042
1021 GTTTTTCTTAAGAGTGTCTGCGCCAGGGATCTGTGAACAGGCTGGGAAGCACTCAA 1080
1043 GTTTTTCTTAAGAGTGTCTGCGCCAGGGATCTGTGAACAGGCTGGGAAGCACTCAA 1102
1081 GATCTTTCCAGGGTATATCTTACTAGCACACAGCATGATCATTTACGAGTGAATATCTTA 1140
1103 GATCTTTCCAGGGTATATCTTACTAGCACACAGCATGATCATTTACGAGTGAATATCTTA 1162
1141 ATCAACATCATCTCAGTGTCTTTGCCATATCTGAAATTCATTTCCCATTTTGTGCGCCA 1200
1163 ATCAACATCATCTCAGTGTCTTTGCCATATCTGAAATTCATTTCCCATTTTGTGCGCCA 1222
1201 TTCTCAAGACCTCAAAATGTCATTCATTAATATACAGGATTAATTTTTTTTAAAC 1260
1223 TTCTCAAGACCTCAAAATGTCATTCATTAATATACAGGATTAATTTTTTTTAAAC 1282
1261 TGAAGAAATTCATGTTACATGAGTATGGAATTTAATTAATCAATTTTGTGTTTCCAGT 1320
1283 TGAAGAAATTCATGTTACATGAGTATGGAATTTAATTAATCAATTTTGTGTTTCCAGT 1342
1321 GCAAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1380
1343 GCAAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1402
1381 TAAATGCTTAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1440
1403 TAAATGCTTAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1462
1441 CTATCTGTCATCACCATCAACCTTCCCATNYTACCTAAACAAATCTTAACTTGTAAAT 1500
1463 CTATCTGTCATCACCATCAACCTTCCCATNYTACCTAAACAAATCTTAACTTGTAAAT 1522
1501 CTTGAAATGTCAGNATGATATTTCTTCTGCTGAGAGCTCTTCCCTGCTGCTCTT 1560
1523 CTTGAAATGTCAGNATGATATTTCTTCTGCTGAGAGCTCTTCCCTGCTGCTCTT 1582
1561 AANTCTAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1620
1583 AANTCTAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1642
1621 ACACATATGAGATTTCAATCATCATGAGACAGCAAAATATAAAGTGAATTTGATTA 1680
1643 ACACATATGAGATTTCAATCATCATGAGACAGCAAAATATAAAGTGAATTTGATTA 1702
1681 AGAGTTTAGATTAATATATGAAATGCAAGKCCACAGAGGGAATGTTTATGGGCAACGTT 1740

RESULT 6

US-09-895-793-690
; Sequence 690, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-895-793-690

Query Match 99.8%; Score 2032; DB 9; Length 3923;
Best Local Similarity 99.6%; Pred.No. 0;
Matches 2029; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGAAGCTGGCATCAGAAAAACAGAGGGAGATTTGTGTGGCTGCGAGCCGAGGAGCCAG 60
DB 23 AGAAGCTGGCATCAGAAAAACAGAGGGAGATTTGTGTGGCTGCGAGCCGAGGAGCCAG 82
QY 61 GAAGATCTGCATGTGGGAGGACCTGTATGATACAGAGGAATTTACACATATATCTTAG 120

Db	83	GAAGATCTGCATGGTGGGAAGGACCTGATGATACAGAGGAATTTACAACACANATATCTTAG	142
Qy	121	TGTTTCAATGAACACCAAGATAAAATAAGTGAAGAGCTAGTCGCGTGTGAGTCTCTCAGT	180
Db	143	TGTTTCAATGAACACCAAGATAAAATAAGTGAAGAGCTAGTCGCGTGTGAGTCTCTCAGT	202
Qy	181	GACACGGCTGGATCACCATCGACGGCAGCTTTCTGAGTACTCTAGTCGACGAAGAAGA	240
Db	203	GACACGGCTGGATCACCATCGACGGCAGCTTTCTGAGTACTCTAGTCGACGAAGAAGA	262
Qy	241	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGA	300
Db	263	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGA	322
Qy	301	GGCCACACATCTGCTGAAATGGAGATAAATTAACATCACTAGAAAACAGCAGAGATGACAATA	360
Db	323	GGCCACACATCTGCTGAAATGGAGATAAATTAACATCACTAGAAAACAGCAGAGATGACAATA	382
Qy	361	TAATGTCCTAAGTAGTGACATGTTTTTTCACATTTTCCAGCCCTTTAAATATCCACACACA	420
Db	383	TAATGTCCTAAGTAGTGACATGTTTTTTCACATTTTCCAGCCCTTTAAATATCCACACACA	442
Qy	421	CAGGAAGCACAAAAGGAAGCACACAGATCTCCTGGGAGAAATGCCCGCCGCGCATCTTGGG	480
Db	443	CAGGAAGCACAAAAGGAAGCACACAGATCTCCTGGGAGAAATGCCCGCCGCGCATCTTGGG	502
Qy	481	TCATCGATGAGCCTCGCCCTGTGCTGGTCCCGCTTGTGAGGGAAGACATTTAGAAAATG	540
Db	503	TCATCGATGAGCCTCGCCCTGTGCTGGTCCCGCTTGTGAGGGAAGACATTTAGAAAATG	562
Qy	541	AAATTGATGTGTTTCTTTAAAGGATGGGCAGGAAAACAGATCCTGTTGTGGATATTTATTTG	600
Db	563	AAATTGATGTGTTTCTTTAAAGGATGGGCAGGAAAACAGATCCTGTTGTGGATATTTATTTG	622
Qy	601	AAACGGGATTCACAGATTTGAAATGAAGTCAACAAAGTAGCATTTACCAATGAGAGAAAACA	660
Db	623	AAACGGGATTCACAGATTTGAAATGAAGTCAACAAAGTAGCATTTACCAATGAGAGAAAACA	682
Qy	661	GACGAGAAAATCTTGATGGCTTCAACAAGCATGCAACAAACAAATGGAACTACTGTGATG	720
Db	683	GACGAGAAAATCTTGATGGCTTCAACAAGCATGCAACAAACAAATGGAACTACTGTGATG	742
Qy	721	ACATGAGGCAGCCAAGCTGGGGAGGAGATAAACACGGGGCAGAGGGTCAGGATTTCTGCCC	780
Db	743	ACATGAGGCAGCCAAGCTGGGGAGGAGATAAACACGGGGCAGAGGGTCAGGATTTCTGCCC	802
Qy	781	CTGCTGCCTAAACCTGCGGTTCAAAACCAATCATTTTCATATTTCTAAACCTCAAAAACA	840
Db	803	CTGCTGCCTAAACCTGCGGTTCAAAACCAATCATTTTCATATTTCTAAACCTCAAAAACA	862
Qy	841	AGCTGTTGTAATATCTGATCTACGGTTCCTCTGGGCCCAAACATTTCTCCATATATCCA	900
Db	863	AGCTGTTGTAATATCTGATCTACGGTTCCTCTGGGCCCAAACATTTCTCCATATATCCA	922
Qy	901	GCACACATCAATTTTAAATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACATGTAG	960
Db	923	GCACACATCAATTTTAAATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACATGTAG	982
Qy	961	AAATAACATTAATCAATTTTGTTCAAAGACCTTTCTGTTTGTGCTGCCTAATATGTAGCTGACT	1020
Db	983	AAATAACATTAATCAATTTTGTTCAAAGACCTTTCTGTTTGTGCTGCCTAATATGTAGCTGACT	1042
Qy	1021	GTTTTTTCTTAAGGAGTGTTCGCGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA	1080
Db	1043	GTTTTTTCTTAAGGAGTGTTCGCGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA	1102
Qy	1081	GATCTTTTCCAGGGTTATACCTACTAGCACACAGCATGATCATTTACGAGGTGAATTACTTA	1140
Db	1103	GATCTTTTCCAGGGTTATACCTACTAGCACACAGCATGATCATTTACGAGGTGAATTACTTA	1162
Qy	1141	ATCAACATCATCTCAGTGTCTTTTGCCCATATCTGAATAATCATTTTCCACATTTTGTGCCCA	1200

Db	1163	ATCAACATCATCTCCAGTGCTTTGGCCATCTGAAATTCATTTCCACATTTTGTGCCCCA	1222
Qy	1201	TTCTCAAGACCTCAAAATGTCAITCCATTAAATATCACAGGATTAACATTTTTTTTTTAAACC	1260
Db	1223	TTCTCAAGACCTCAAAATGTCAITCCATTAAATATCACAGGATTAACATTTTTTTTTTAAACC	1282
Qy	1261	TGGNAGAAITTCATGTTACATGCAGCTATCGGAAATTTAAATATACATATTTTGTTTCCAGT	1320
Db	1283	TGGNAGAAITTCATGTTACATGCAGCTATCGGAAATTTAAATATACATATTTTGTTTCCAGT	1342
Qy	1321	GCAAGAGTACTAAGTCCTTTATCCCTCCCTCTTGTTGTGATTTTTTTTTCCAGTATAAAGT	1380
Db	1343	GCAAGAGTACTAAGTCCTTTATCCCTCCCTCTTGTTGTGATTTTTTTTTCCAGTATAAAGT	1402
Qy	1381	TAAATGCTTAGCCTTGATCTGAGGCTGTATACAGCACAGCCTCTCCCATCTCCCTCCAGC	1440
Db	1403	TAAATGCTTAGCCTTGATCTGAGGCTGTATACAGCACAGCCTCTCCCATCTCCCTCCAGC	1462
Qy	1441	CTTATCTGTCATCACCAATCAACCCCTCCCATNYSACCTAAACAATACTAACTTGTAATT	1500
Db	1463	CTTATCTGTCATCACCAATCAACCCCTCCCATNYSACCTAAACAATACTAACTTGTAATT	1522
Qy	1501	CCTTGAACATGTCAGGNCATACATRTTCTCTTGCTCGAGAGAGCTCTTCTTGTGCTCTT	1560
Db	1523	CCTTGAACATGTCAGGNCATACATRTTCTCTTGCTCGAGAGAGCTCTTCTTGTGCTCTT	1582
Qy	1561	AAATCTAGAAATGATGTAAGTTTTGAATAGTTGACTATCTTACTTCATGCAAGAAGGG	1620
Db	1583	AAATCTAGAAATGATGTAAGTTTTGAATAGTTGACTATCTTACTTCATGCAAGAAGGG	1642
Qy	1621	ACACATATGAGATTCATCATCACATGAGACAGCAAAATACTAAAAGTGTAAATTTGATTATA	1680
Db	1643	ACACATATGAGATTCATCATCACATGAGACAGCAAAATACTAAAAGTGTAAATTTGATTATA	1702
Qy	1681	AGAGTTTAGATAAATATATGAAATGCAAGAKCCACAGAGGGAATGTTTATGGGGCAGGTT	1740
Db	1703	AGAGTTTAGATAAATATATGAAATGCAAGAGCCACAGAGGGAATGTTTATGGGGCAGGTT	1762
Qy	1741	TGTAAGCCTCGGATGTGAAGMAAGGCAGGGAACCTCATAGTATCTTATATAATATATACTT	1800
Db	1763	TGTAAGCCTCGGATGTGAAGMAAGGCAGGGAACCTCATAGTATCTTATATAATATATACTT	1822
Qy	1801	CATTTCTCTATCTATACAAATATCAACAAGCTTTTTCACAGAAITTCATGCAAGTCAAA	1860
Db	1823	CATTTCTCTATCTATACAAATATCAACAAGCTTTTTCACAGAAITTCATGCAAGTCAAA	1882
Qy	1861	TCCCCAAGGTAACTTTATCCATTTTCATGGTGAGTGGCTTTTGAATTTTTTGGCAATCA	1920
Db	1883	TCCCCAAGGTAACTTTATCCATTTTCATGGTGAGTGGCTTTTGAATTTTTTGGCAATCA	1942
Qy	1921	TACTGGTCACTTATCTCAACTTTTGAGATGTGTTTGCTTGTAGTTAAATGAAAGAAATA	1980
Db	1943	TACTGGTCACTTATCTCAACTTTTGAGATGTGTTTGCTTGTAGTTAAATGAAAGAAATA	2002
Qy	1981	GGGCACCTTTGTGAGCCACTTTTAGGTTCTACTCTCTGGCAATAAAGAAATTTTACAAAGA	2037
Db	2003	GGGCACCTTTGTGAGCCACTTTTAGGTTCTACTCTCTGGCAATAAAGAAATTTTACAAAGA	2059

RESULT 7
US-09-895-814-690
; Sequence 690, Application US/09895814
; Publication No. US20020193296A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C26
; CURRENT APPLICATION NUMBER: US/09/895,814
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-895-814-690

Query Match 99.8%; Score 2032; DB 9; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 2029; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY	1	AGNAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGGCTGCAGCCGAGGGAGACCAG	60
DB	23	AGAAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGGCTGCAGCCGAGGGAGACCAG	82
QY	61	GAAGATCTGCATGGTGGGAGGACCTGATGATACAGAGGAATTAACAACATATCTTAG	120
DB	83	GAAGATCTGCATGGTGGGAGGACCTGATGATACAGAGGAATTAACAACATATCTTAG	142
QY	121	TGTTTCAATGAACACCAAGATAAATAGTGAAGAGCTAGTCCGCTGTGAGTCTCCTCAGT	180
DB	143	TGTTTCAATGAACACCAAGATAAATAGTGAAGAGCTAGTCCGCTGTGAGTCTCCTCAGT	202
QY	181	GACAGAGGCTGGATCACCATCAGCGCCTTCTGAGTACTCAGTGCAGCAAGAAAGA	240
DB	203	GACAGAGGCTGGATCACCATCAGCGCCTTCTGAGTACTCAGTGCAGCAAGAAAGA	262
QY	241	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGA	300
DB	263	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGA	322
QY	301	GGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA	360
DB	323	GGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA	382
QY	361	TAATGCTAAGTAGTACATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACA	420
DB	383	TAATGCTAAGTAGTACATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACA	442
QY	421	CAGGAAGCAAAAGGAGCACAGAGATCCCTGGGAGAAATGCCGGCCGCATCTTTGGG	480
DB	443	CAGGAAGCAAAAGGAGCACAGAGATCCCTGGGAGAAATGCCGGCCGCATCTTTGGG	502
QY	481	TCATCGATGAGCTCGCCCTGTGCTGGTCCCGCTTTGTGAGGGAAGGACATTAGAAATG	540
DB	503	TCATCGATGAGCTCGCCCTGTGCTGGTCCCGCTTTGTGAGGGAAGGACATTAGAAATG	562
QY	541	AATTGATGTTCTTTAAAGGATGGCAGGAAACAGATCTGTTGTGGATATTTATTTG	600
DB	563	AATTGATGTTCTTTAAAGGATGGCAGGAAACAGATCTGTTGTGGATATTTATTTG	622
QY	601	AACGGGATTACAGATTGTAAGTGAAGTCAACAAGTCAAGTCAAGTCAAGTCAAGTCAAGT	660
DB	623	AACGGGATTACAGATTGTAAGTGAAGTCAACAAGTCAAGTCAAGTCAAGTCAAGTCAAGT	682

QY	661	GACGAGAAAAATCTTGATGCTTTCAAGACATGCAACAAACAAATGGAATACTGTGATG	720
DB	683	GACGAGAAAAATCTTGATGCTTTCAAGACATGCAACAAACAAATGGAATACTGTGATG	742
QY	721	ACATGAGGAGCAAGCTGGGAGGAGATAAACACGGGGCAGAGGTCAGGATCTGGCC	780
DB	743	ACATGAGGAGCAAGCTGGGAGGAGATAAACACGGGGCAGAGGTCAGGATCTGGCC	802
QY	781	CTGCTGCCTTAAACTGTGCGTTTCATACCAAAATCATTTTCTAATATTTCTAAACCTCAAAACAA	840
DB	803	CTGCTGCCTTAAACTGTGCGTTTCATACCAAAATCATTTTCTAATATTTCTAAACCTCAAAACAA	862
QY	841	AGCTGTTGTAATATCTGATCTCTACGGTTCCTTGGGGCCCAACAATTTCTCCATATATCCA	900
DB	863	AGCTGTTGTAATATCTGATCTCTACGGTTCCTTGGGGCCCAACAATTTCTCCATATATCCA	922
QY	901	GCACACATCATTTTAAATATTTAGTTCACAGATCTGTACTGTGACCTTCTACACTGTAG	960
DB	923	GCACACATCATTTTAAATATTTAGTTCACAGATCTGTACTGTGACCTTCTACACTGTAG	982
QY	961	AATAACATTAATCATTTTGTTCAAAGACCTTTCGTTGCTGCTCCTAAATATGTAGCTGACT	1020
DB	983	AATAACATTAATCATTTTGTTCAAAGACCTTTCGTTGCTGCTCCTAAATATGTAGCTGACT	1042
QY	1021	GTTCCTTCCCTAAGGAGTGTCTGCGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA	1080
DB	1043	GTTCCTTCCCTAAGGAGTGTCTGCGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA	1102
QY	1081	GATCTTCCAGGGTTTACTTACTAGCACACAGCATGATCATACGGAGTGAATATCTTA	1140
DB	1103	GATCTTCCAGGGTTTACTTACTAGCACACAGCATGATCATACGGAGTGAATATCTTA	1162
QY	1141	ATCAACATCATCTCAGTGTCTTTGCCCATCTGAAATTCATTTCCCATTTTGTGCCCCA	1200
DB	1163	ATCAACATCATCTCAGTGTCTTTGCCCATCTGAAATTCATTTCCCATTTTGTGCCCCA	1222
QY	1201	TTCTCAAGACCTTCAAAATGTCAATTAATATCACAGGATTAATTTTAAACCTTAAAC	1260
DB	1223	TTCTCAAGACCTTCAAAATGTCAATTAATATCACAGGATTAATTTTAAACCTTAAAC	1282
QY	1261	TGGAAGATTCATCTTACATGACGATGGAATTAATACATATTTTGTTCCTTCCAGT	1320
DB	1283	TGGAAGATTCATCTTACATGACGATGGAATTAATACATATTTTGTTCCTTCCAGT	1342
QY	1321	GCAAGATGACTAAGTCTTATCCCTCCCTTTGTTGATTTTTCAGTATAAAGT	1380
DB	1343	GCAAGATGACTAAGTCTTATCCCTCCCTTTGTTGATTTTTCAGTATAAAGT	1402
QY	1381	TAAATATGCTTAGCTTGTATGAGGCTGTATACAGCAGGCTCTCCCATCCCTCCAGC	1440
DB	1403	TAAATATGCTTAGCTTGTATGAGGCTGTATACAGCAGGCTCTCCCATCCCTCCAGC	1462
QY	1441	CTTATCTGTATCATCAACATCAACCTTCCCATNYSACCTTAAACAAATCTAATCTTAAT	1500
DB	1463	CTTATCTGTATCATCAACATCAACCTTCCCATNYSACCTTAAACAAATCTAATCTTAAT	1522
QY	1501	CCTTGAAATGTCAGGNCATACATTTTCTTCTGCTGAGAGCTCTTCTTGTCTCTT	1560
DB	1523	CCTTGAAATGTCAGGNCATACATTTTCTTCTGCTGAGAGCTCTTCTTGTCTCTT	1582
QY	1561	AANTCTGAATGATCTAAGTTTGAATGATGATCTTCTTCTTCTTCTTCTTCTTCTTCTT	1620
DB	1583	AANTCTGAATGATCTAAGTTTGAATGATGATCTTCTTCTTCTTCTTCTTCTTCTTCTT	1642
QY	1621	ACACATATGAGATTCATCATACATGAGACCAATTAATAAGTGAATTTGATTATA	1680
DB	1643	ACACATATGAGATTCATCATCATGAGACCAATTAATAAGTGAATTTGATTATA	1702
QY	1681	AGAGTTTATGATTAATATATGAAATCAAGACACAGAGGGAATCTTTATGGGACGTT	1740
DB	1703	AGAGTTTATGATTAATATATGAAATCAAGACACAGAGGGAATCTTTATGGGACGTT	1762

QY 1741 TGTAACCTGGGATGTGAAGMAAGGACGAGGAACTCATAGTATCTTATATATATACCTT 1800
Db 1763 TGTAAGCCTGGGATGTGAAGAAAGGACGAGGAACTCATAGTATCTTATATATATACCTT 1822
QY 1801 CATTTCTCTATCTCTATCAATATCCAAAGCTTTTACAGAAATTCATGAGTGCARA 1860
Db 1823 CATTTCTCTATCTCTATCAATATCCAAAGCTTTTACAGAAATTCATGAGTGCARA 1882
QY 1861 TCCCCAAGGTAACTTTATCCATTTTCATGGTGAGTGCCTTTAGAAATTTTGGCAAATCA 1920
Db 1883 TCCCCAAGGTAACTTTATCCATTTTCATGGTGAGTGCCTTTAGAAATTTTGGCAAATCA 1942
QY 1921 TACTGTCTATCTCTATCACTTTGAGATGTGTTTGTCTTGTAGTAAATGAGAAATA 1980
Db 1943 TACTGTCTATCTCTCAACTTTGAGATGTGTTTGTCTTGTAGTAAATGAGAAATA 2002
QY 1981 GGGCACTCTGTGAGCCACTTTAGGGTTTCACTCTGGCAATAAGAAATTTACAAAGA 2037
Db 2003 GGGCACTCTGTGAGCCACTTTAGGGTTTCACTCTGGCAATAAGAAATTTACAAAGA 2059

RESULT 8

US-10-012-896-690.
; Sequence 690, Application US/10012896
; Publication No. US20020183251A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedrick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Meagher, Madeleine Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C27
; CURRENT APPLICATION NUMBER: US/10/012,896
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-012-896-690

Query Match 99.8%; Score 3923; DB 13; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 2029; Conservative 5; Mismatches 3; Indels 0; Gaps 0;
QY 1 AGAAGCTGCGCATCAGAAAAACAGAGGGGAGATTTGTGTGGCTGCGAGCCGAGGGAGCCAG 60
Db 23 AGAAGCTGCGCATCAGAAAAACAGAGGGGAGATTTGTGTGGCTGCGAGCCGAGGGAGCCAG 82
QY 61 GAAGATCTCATGGTGGGAAGGACCTGATGATACAGAGGAATTTACAAACATATATCTTAG 120

Db 83 GAAGATCTGCAATGGTGGAAAGGAACTGATGATACAGAGGAATTTACAAACATATATCTTAG 142
QY 121 TGTTCATTAAGAACCAAGATAAATAAGTGAAGAGCTAGTCCGCTGTGAGTCTCCTCAGT 180
Db 143 TGTTCATTAAGAACCAAGATAAATAAGTGAAGAGCTAGTCCGCTGTGAGTCTCCTCAGT 202
QY 181 GACACAGGGCTGGATCAACATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA 240
Db 203 GACACAGGGCTGGATCAACATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA 262
QY 241 CTACAGACATCTCAATGCGAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTACCACTCGA 300
Db 263 CTACAGACATCTCAATGCGAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTACCACTCGA 322
QY 301 GGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA 360
Db 323 GGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA 382
QY 361 TAATGCTCTAAGTAGTGAACATGTTTGTGACATTTTCAGCCCTTTTAAATATCCACACA 420
Db 383 TAATGCTCTAAGTAGTGAACATGTTTGTGACATTTTCAGCCCTTTTAAATATCCACACA 442
QY 421 CAGGAAGCACAAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCGCCATCTTGGG 480
Db 443 CAGGAAGCACAAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCGCCATCTTGGG 502
QY 481 TCATCGATGAGCCTCGCCCTGTGCTGCTGCCCTTGTGAGGGAAGAGCATTTAGAAAAATG 540
Db 503 TCATCGATGAGCCTCGCCCTGTGCTGCTGCCCTTGTGAGGGAAGAGCATTTAGAAAAATG 562
QY 541 AATTGATGTGTTCTTAAAGGATGGGAGGAAAAACAGATCCTGTTGTGGATATTTATTGTG 600
Db 563 AATTGATGTGTTCTTAAAGGATGGGAGGAAAAACAGATCCTGTTGTGGATATTTATTGTG 622
QY 601 AACGGATTACAGATTTTGAATGAATGATCAACAAGTGAGCATTTACCAATGAGAGGAAAAACA 660
Db 623 AACGGATTACAGATTTTGAATGAATGATCAACAAGTGAGCATTTACCAATGAGAGGAAAAACA 682
QY 661 GACGAGAAAAATCTTGATGGCTTCAACAAGCATGCAACAAACAAATGGAATCTGTGATG 720
Db 683 GACGAGAAAAATCTTGATGGCTTCAACAAGCATGCAACAAACAAATGGAATCTGTGATG 742
QY 721 ACATGAGGACGCAAGCTGGGGAGGAGATAACCGGGGAGAGGGTCAAGATTTCTGGCC 780
Db 743 ACATGAGGACGCAAGCTGGGGAGGAGATAACCGGGGAGAGGGTCAAGATTTCTGGCC 802
QY 781 CTGCTGCTTAACTGTGCTTCAATAACCAATCATTTTCAATTTCTAACCCCTCAAAAACA 840
Db 803 CTGCTGCTTAACTGTGCTTCAATAACCAATCATTTTCAATTTCTAACCCCTCAAAAACA 862
QY 841 AGCTGTTGTAATATCTGATCTCTAGGGTTCTTCTGGGCCCAACATTTCCATATATATCCA 900
Db 863 AGCTGTTGTAATATCTGATCTCTAGGGTTCTTCTGGGCCCAACATTTCCATATATATCCA 922
QY 901 GCCACACTCAATTTTAAATATTTAGTCCAGATCTGTAATCTGACCTTTTACACTGTAG 960
Db 923 GCCACACTCAATTTTAAATATTTAGTCCAGATCTGTAATCTGTAATCTTCTACACTGTAG 982
QY 961 AATAACATTACTCAATTTTGTTCAAAAGACCTTCTGTTTGTGCTGCTTAATATGATGCTGACT 1020
Db 983 AATAACATTACTCAATTTTGTTCAAAAGACCTTCTGTTTGTGCTGCTTAATATGATGCTGACT 1042
QY 1021 GTTTTTCTTAAGGAGTGTCTGGGCCAGGGGATCTGTGAAACAGGCTGGGAGCATCTCAA 1080
Db 1043 GTTTTTCTTAAGGAGTGTCTGGGCCAGGGGATCTGTGAAACAGGCTGGGAGCATCTCAA 1102
QY 1081 GATCTTTCCAGGGTATATCTTACTAGCACACAGCATGATGATGAGGAGTGAATATCTTA 1140
Db 1103 GATCTTTCCAGGGTATATCTTACTAGCACACAGCATGATGATGAGGAGTGAATATCTTA 1162
QY 1141 ATCAACATCATCTCAGTGTCTTTGGCCCATACTGAAATTCATTTCCCACTTTTGTGGCCA 1200
Db 1163 ATCAACATCATCTCAGTGTCTTTGGCCCATACTGAAATTCATTTCCCACTTTTGTGGCCA 1222


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QY 1201 TTCTCAAGACCTCAAAATGTCTCATTAATATACACAGATTAACCTTTTTTTTAAACC 1260
Db 1223 TTCTCAAGACCTCAAAATGTCTCATTAATATACACAGATTAACCTTTTTTTTAAACC 1282
QY 1261 TGGAGAAATTCATGTGTACATGAGCTATGGGAATTTAATTAATATATATTTTTCACGT 1320
Db 1283 TGGAGAAATTCATGTGTACATGAGCTATGGGAATTTAATTAATATATATTTTTCACGT 1342
QY 1321 GCAAAGATGACTAAGTCTTTATCCCTCCCTTTTGTGATTTTTTCCAGTAAAGT 1380
Db 1343 GCAAAGATGACTAAGTCTTTATCCCTCCCTTTTGTGATTTTTTCCAGTAAAGT 1402
QY 1381 TAAATGCTTAGCTTGTACTAGGCTGTATACAGCAGACGCTCTCCCATCCCTCCAGC 1440
Db 1403 TAAATGCTTAGCTTGTACTAGGCTGTATACAGCAGACGCTCTCCCATCCCTCCAGC 1462
QY 1441 CTTATCTGTATCATCACCATCAACCCCTCCCATNYTAACTAAACAAATCTAATCTGTAAT 1500
Db 1463 CTTATCTGTATCATCACCATCAACCCCTCCCATACCACTAAACAAATCTAATCTGTAAT 1522
QY 1501 CTTGAACATGTCAAGNATACATTTCTCTCTGCTGAGAGCTCTTCTCTGCTCTTT 1560
Db 1523 CTTGAACATGTCAAGNATACATTTCTCTCTGCTGAGAGCTCTTCTCTGCTCTTT 1582
QY 1561 AANTCTAGAAATGATGTAAGTTTGAATTAAGTTGACTATCTTACTTCATGCAAGAGG 1620
Db 1583 AANTCTAGAAATGATGTAAGTTTGAATTAAGTTGACTATCTTACTTCATGCAAGAGG 1642
QY 1621 ACACATATCAGATTCATCATCATCATGAGACAGCAATATCTAAAGTGTAATTTGATTATA 1680
Db 1643 ACACATATCAGATTCATCATCATCATGAGACAGCAATATCTAAAGTGTAATTTGATTATA 1702
QY 1681 AGAGTTTGTAGTAAATATATGAAATCAAGAKCCACAGAGGGAATGTTATGGGCACTTT 1740
Db 1703 AGAGTTTGTAGTAAATATATGAAATCAAGAGCCACAGAGGGAATGTTATGGGCACTTT 1762
QY 1741 TGTAAAGCTGGGATGTGAAGMAAGCGCAGGAACTCTCATAGTATCTTATATATATATCTTT 1800
Db 1763 TGTAAAGCTGGGATGTGAAGMAAGCGCAGGAACTCTCATAGTATCTTATATATATATCTTT 1822
QY 1801 CATTTCTCTATCTCTATCAATATCCAAACAGCTTTTACAGAGATTCATGAGTGCRAA 1860
Db 1823 CATTTCTCTATCTCTATCAATATCCAAACAGCTTTTACAGAGATTCATGAGTGCRAA 1882
QY 1861 TCCCAAAGGTAACTTTTATCCATTTTCATGTCAGTGCCTTTTAGAATTTTGGCAAATCA 1920
Db 1883 TCCCAAAGGTAACTTTTATCCATTTTCATGTCAGTGCCTTTTAGAATTTTGGCAAATCA 1942
QY 1921 TACTGGTCACTTATCTCAACTTTTGAGATGTGTTTGTCTTGTAGTAAATGGAAGAAATA 1980
Db 1943 TACTGGTCACTTATCTCAACTTTTGAGATGTGTTTGTCTTGTAGTAAATGGAAGAAATA 2002
QY 1981 GGGCACTCTGTGAGCCACTTTAGGGTTTCACTCTCGGCAATAAAGAAATTTACAAAGA 2037
Db 2003 GGGCACTCTGTGAGCCACTTTAGGGTTTCACTCTCGGCAATAAAGAAATTTACAAAGA 2059
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RESULT 9

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US-10-205-823-316
; Sequence 316, Application US/10205823
; Publication No. US20030108963A1
; GENERAL INFORMATION:
; APPLICANT: Schlögel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Endege, Wilson O.
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Gorbacharava, Bella
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Wansley, Angela M.
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
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; APPLICANT: Anderson, Dustin
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; THERAPY OF PROSTATE CANCER
; FILE REFERENCE: MRI-044
; CURRENT APPLICATION NUMBER: US/10/205,823
; CURRENT FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 60/307,982
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: 60/314,356
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/325,020
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 60/341,746
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/362,158
; PRIOR FILING DATE: 2002-03-05
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 316
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-205-823-316
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Query Match 99.8%; Score 2032; DB 15; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 2029; Conservative 5; Mismatches 3; Indels 0; Gaps 0;
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QY 1 AGAGCTGGCATCAGAAAACAGAGGGGAGATTTGTGTGGCTGCGAGCGGAGGACCCAG 60
Db 23 AGAGCTGGCATCAGAAAACAGAGGGGAGATTTGTGTGGCTGCGAGCGGAGGACCCAG 82
QY 61 GAAAGATCTGCACTGGTGGGAAGGACCTGATGATACAGAGGAAATTACAAACATATCTTAG 120
Db 83 GAAAGATCTGCACTGGTGGGAAGGACCTGATGATACAGAGGAAATTACAAACATATCTTAG 142
QY 121 TGTTCATTAAGAACCAAGAGATAAATAAGTGAAGAGCTAGTCCGCTGTGAGTCTCTCAGT 180
Db 143 TGTTCATTAAGAACCAAGAGATAAATAAGTGAAGAGCTAGTCCGCTGTGAGTCTCTCAGT 202
QY 181 GACACAGGGCTGGATCCATCCGAGCGGACCTTCTGAGTACTCAGTGCAGCAAGAAAGA 240
Db 203 GACACAGGGCTGGATCCATCCGAGCGGACCTTCTGAGTACTCAGTGCAGCAAGAAAGA 262
QY 241 CTACAGACATCTCAATGCGAGGGGTGAGAAATAAGAAAGGCTGTGACTTTACCATCTGA 300
Db 263 CTACAGACATCTCAATGCGAGGGGTGAGAAATAAGAAAGGCTGTGACTTTACCATCTGA 322
QY 301 GGCCACACATCTGCTGAAATCGAGATAAATTAACATCACTAGAAAACAGCAAGATGACAATA 360
Db 323 GGCCACACATCTGCTGAAATCGAGATAAATTAACATCACTAGAAAACAGCAAGATGACAATA 382
QY 361 TAATGCTTAAGTGTAGATGATGTTTTCACATTTTCCAGCCCTTTAAATATATCCACACA 420
Db 383 TAATGCTTAAGTGTAGATGATGTTTTCACATTTTCCAGCCCTTTAAATATATCCACACA 442
QY 421 CAGGAAGCACAAAAGGAGACAGAGATCCCTGGGAGAAATGCCCGGCGGCATCTTGGG 480
Db 443 CAGGAAGCACAAAAGGAGACAGAGATCCCTGGGAGAAATGCCCGGCGGCATCTTGGG 502
QY 481 TCATCGATGAGCCCTCGCCCTGTGCTGTGCTCCGCTTGTGAGGGAAGGACATTTAGAAAAATG 540
Db 503 TCATCGATGAGCCCTCGCCCTGTGCTGTGCTCCGCTTGTGAGGGAAGGACATTTAGAAAAATG 562
QY 541 AATTGATGTGTTCTTAAAGGATGGGAGGAAACAGATCTCTGTTGTGATATTTATTG 600
Db 563 AATTGATGTGTTCTTAAAGGATGGGAGGAAACAGATCTCTGTTGTGATATTTATTG 622
QY 601 AACGGGATTACAGATTTGAAATGAAGTACAAAGTGAAGTATCCAAATGAGAGGAAACA 660
Db 623 AACGGGATTACAGATTTGAAATGAAGTACAAAGTGAAGTATCCAAATGAGAGGAAACA 682
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QY 661 GACGAGAAATCTTGATGGCTTCAAGACATGCAACAAACAAATGGAATACTGTGATG 720
DB 683 GACGAGAAATCTTGATGGCTTCAAGACATGCAACAAACAAATGGAATACTGTGATG 742
QY 721 ACATGAGGAGCAACAGCTGGGAGGAGATAACACGGGCGAGGGTCAGGATCTGGCC 780
DB 743 ACATGAGGAGCAACAGCTGGGAGGAGATAACACGGGCGAGGGTCAGGATCTGGCC 802
QY 781 CTGCTGCCTAAACCTGTGCGGTTCAATACCAAAATCAATTTTCATATTTCTAAACCTCAAAACAA 840
DB 803 CTGCTGCCTAAACCTGTGCGGTTCAATACCAAAATCAATTTTCATATTTCTAAACCTCAAAACAA 862
QY 841 AGCTGTTGTAATCTGATCTCTACCGGTTCTGCGGCGCCAACTCTCCATATATCCA 900
DB 863 AGCTGTTGTAATCTGATCTCTACCGGTTCTGCGGCGCCAACTCTCCATATATCCA 922
QY 901 GCCACACTCATTTTAAATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG 960
DB 923 GCCACACTCATTTTAAATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG 982
QY 961 AATAACATTTACTCAATTTTGTTCAAAGACCTTTCGTTGCTGCTCAATATGTAGCTGACT 1020
DB 983 AATAACATTTACTCAATTTTGTTCAAAGACCTTTCGTTGCTGCTCAATATGTAGCTGACT 1042
QY 1021 GTTTTTTCCTAAGAGGTGTTCTGCGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1080
DB 1043 GTTTTTTCCTAAGAGGTGTTCTGCGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1102
QY 1081 GATCTTTCCAGGGTATACCTTACTAGCACACAGCATGATCATACGGAGTGAATATCTTA 1140
DB 1103 GATCTTTCCAGGGTATACCTTACTAGCACACAGCATGATCATACGGAGTGAATATCTTA 1162
QY 1141 ATCAACATCATCTCAGTGTCTTTTGCCCATACCTGAAATTCATTTCCCACTTTTGTGCCCA 1200
DB 1163 ATCAACATCATCTCAGTGTCTTTTGCCCATACCTGAAATTCATTTCCCACTTTTGTGCCCA 1222
QY 1201 TTCTCAAGACCTCAAAATGTCATTCATTAATATACAGAGTAATCTTTTAAACC 1260
DB 1223 TTCTCAAGACCTCAAAATGTCATTCATTAATATACAGAGTAATCTTTTAAACC 1282
QY 1261 TGAAGAAATTCATGTTTACATGAGCTATGGGAATTTAATACATATTTGTTTCCAGT 1320
DB 1283 TGAAGAAATTCATGTTTACATGAGCTATGGGAATTTAATACATATTTGTTTCCAGT 1342
QY 1321 GCAAGATGACTAAGTCTTTATCCCTCCCTTTGTTGATTTTTCAGTATAAAGT 1380
DB 1343 GCAAGATGACTAAGTCTTTATCCCTCCCTTTGTTGATTTTTCAGTATAAAGT 1402
QY 1381 TAAATGCTTAGCTTGATGAGCTGTATACAGCAGCCCTCTCCCATCCCTCCAGC 1440
DB 1403 TAAATGCTTAGCTTGATGAGCTGTATACAGCAGCCCTCTCCCATCCCTCCAGC 1462
QY 1441 CTTATCTGTCATCACCATCAACCCCTCCCATVNSACCTAAACAAATCTAACTTGAAT 1500
DB 1463 CTTATCTGTCATCACCATCAACCCCTCCCATACCCTAAACAAATCTAACTTGAAT 1522
QY 1501 CCTTGAACATGT CAGGNCATACATTTCTCTGCTGAGAGCTCTTCTCTGCTCTT 1560
DB 1523 CCTTGAACATGT CAGGNCATACATTTCTCTGCTGAGAGCTCTTCTCTGCTCTT 1582
QY 1561 AANTCTAGAATGATGTAAGTGTGATTAAGTTGACTATCTTACTCATGCAAGAGG 1620
DB 1583 AANTCTAGAATGATGTAAGTGTGATTAAGTTGACTATCTTACTCATGCAAGAGG 1642
QY 1621 ACACATATCAGATTCTATCATCATGAGACAGCAATATCTAAAGTGTAAATTTGATTATA 1680
DB 1643 ACACATATCAGATTCTATCATCATGAGACAGCAATATCTAAAGTGTAAATTTGATTATA 1702
QY 1681 AGAGTTTATAGATAATATATGAATGCAAGAKCCACAGAGGGAATGTTTATGGGCACGTT 1740
DB 1703 AGAGTTTATAGATAATATATGAATGCAAGAKCCACAGAGGGAATGTTTATGGGCACGTT 1762
QY 1741 TGTAAACCTGGGATGTGAAGMAAAGCCAGGGAAACCTCATAGTATCTTATATATATACT 1800
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DB 1763 TGTAAAGCCTGGGATGTGAAGCAAAAGGCAGGAAACCTCATAGTATCTTATATAATATACTT 1822
QY 1801 CATTTCTCTATCTCTATCACAATATCCAAACAGCTTTTTCACAGAAATTCATGAGTGCATA 1860
DB 1823 CATTTCTCTATCTCTATCACAATATCCAAACAGCTTTTTCACAGAAATTCATGAGTGCATA 1882
QY 1861 TCCCAAAAGGTAAACCTTTTATCCATTTTCATGCTGAGTGGCTTTAGAAATTTTGGCAATCA 1920
DB 1883 TCCCAAAAGGTAAACCTTTTATCCATTTTCATGCTGAGTGGCTTTAGAAATTTTGGCAATCA 1942
QY 1921 TACTGGTCACTTATCTCAACTTTTGAGATGTGTTTCTGTTAGTAAATTTGAGAAATA 1980
DB 1943 TACTGGTCACTTATCTCAACTTTTGAGATGTGTTTCTGTTAGTAAATTTGAGAAATA 2002
QY 1981 GGGCACTCTTGTGAGCCACTTTTAGGGTTCACTCTCTGGCAATAAAGAAATTTACAAAGA 2037
DB 2003 GGGCACTCTTGTGAGCCACTTTTAGGGTTCACTCTCTGGCAATAAAGAAATTTACAAAGA 2059

RESULT 10
US-10-144-678A-690
; Sequence 690, Application US/10144678A
; Publication No. US20030157089A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Hepler, William T.
; APPLICANT: Hurai, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals y de Bassols, Carlota
; APPLICANT: Foy, Teresa M.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Deng, Ta
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C28
; CURRENT APPLICATION NUMBER: US/10/144,678A
; CURRENT FILING DATE: 2002-08-12
; NUMBER OF SEQ ID NOS: 1033
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-678A-690

Query Match 99.8%; Score 2032; DB 16; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 2029; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 1 AGAGCTGGCATCGAAAAACAGAGGGAGATTTGTGTGGCTGCGCGAGGAGACAG 60
DB 23 AGAAGCTGGCATCGAAAAACAGAGGGAGATTTGTGTGGCTGCGCGAGGAGACAG 82
QY 61 GAAGATCTGCATGTGTGGGAAGCCTGATGATACAGAGGAATTTACACACATATCTTAG 120
DB 83 GAAGATCTGCATGTGTGGGAAGCCTGATGATACAGAGGAATTTACACACATATCTTAG 142
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QY 121 TGTTTCAATGAAACCAAGATAAATAAGTGAAGAGCTAGTCCCTGTGAGTCTCTCAGT 180
Db 143 TGTTTCAATGAAACCAAGATAAATAAGTGAAGAGCTAGTCCCTGTGAGTCTCTCAGT 202
QY 181 GACACAGGCTGATCACCATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAGA 240
Db 203 GACACAGGCTGATCACCATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAGA 262
QY 241 CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTCTGACATTTACCATCTGA 300
Db 263 CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTCTGACATTTACCATCTGA 322
QY 301 GGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA 360
Db 323 GGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA 382
QY 361 TAATGCTAAGTAGTACATGTTTTGTCATATTTCCAGCCCTTTAAATATCCACACACA 420
Db 383 TAATGCTAAGTAGTACATGTTTTGTCATATTTCCAGCCCTTTAAATATCCACACACA 442
QY 421 CAGGAAGCACAAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGG 480
Db 443 CAGGAAGCACAAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGG 502
QY 481 TCATCGATGAGCTCGCCCTGTGCGCTGGTCCCGCTTGTGAGGAAGGACATTAGAAAATG 540
Db 503 TCATCGATGAGCTCGCCCTGTGCGCTGGTCCCGCTTGTGAGGAAGGACATTAGAAAATG 562
QY 541 AATTGATGTTCTTTAAAGGATGGCAGGAACACAGATCCTGTTGTGATATTTATTTG 600
Db 563 AATTGATGTTCTTTAAAGGATGGCAGGAACACAGATCCTGTTGTGATATTTATTTG 622
QY 601 AACGGGATTACAGATTTGAAATGAAAGTCAAAAGTGAAGTATTAACCAATGAGAGGAAACA 660
Db 623 AACGGGATTACAGATTTGAAATGAAAGTCAAAAGTGAAGTATTAACCAATGAGAGGAAACA 682
QY 661 GACGAGAAATCTGTGATGCTTCAAGACATGCAACAAACAAATGGAATATCTGTGATG 720
Db 683 GACGAGAAATCTGTGATGCTTCAAGACATGCAACAAACAAATGGAATATCTGTGATG 742
QY 721 ACATGAGGAGCAACAGCTGGGAGGAGATAACACGGGGCAGAGGCTCAGGATCTGGCC 780
Db 743 ACATGAGGAGCAACAGCTGGGAGGAGATAACACGGGGCAGAGGCTCAGGATCTGGCC 802
QY 781 CTGCTGCTTAAACTGTGCGGTTCAATACCAAAATCAATTTCTAATTTCTAAACCTCAAAACA 840
Db 803 CTGCTGCTTAAACTGTGCGGTTCAATACCAAAATCAATTTCTAATTTCTAATTTCTAATTTCTA 862
QY 841 AGCTGTTGTAATCTGATCTCTACGGTTCTTCTGGGCCCAACATTTCTCCATATATCCA 900
Db 863 AGCTGTTGTAATCTGATCTCTACGGTTCTTCTGGGCCCAACATTTCTCCATATATCCA 922
QY 901 GCCACATCATTTTAAATTTAGTTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG 960
Db 923 GCCACATCATTTTAAATTTAGTTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG 982
QY 961 AATAACATTAATCAATTTTGTTCAAAGACCTTCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1020
Db 983 AATAACATTAATCAATTTTGTTCAAAGACCTTCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1042
QY 1021 GTTTTTCTAAGAGTGTCTGCGCCAGGGGATCTGTGAAACAGGCTGGGAAGCATCTCAA 1080
Db 1043 GTTTTTCTAAGAGTGTCTGCGCCAGGGGATCTGTGAAACAGGCTGGGAAGCATCTCAA 1102
QY 1081 GATCTTCCAGGTTATCTACTACACACAGCATGATCATTTACGGAGTGAATATCTA 1140
Db 1103 GATCTTCCAGGTTATCTACTACACACAGCATGATCATTTACGGAGTGAATATCTA 1162
QY 1141 ATCAACATCATCTCAGTGTCTTGGCCCATCTGAAATTCATTTCCACTTTTGTGCCCA 1200
Db 1163 ATCAACATCATCTCAGTGTCTTGGCCCATCTGAAATTCATTTCCACTTTTGTGCCCA 1222
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QY 1201 TTCTCAAGACCTCAAAATGTCATTCATTAATATCAAGGATTAACCTTTTTTTTAAACC 1260
Db 1223 TTCTCAAGACCTCAAAATGTCATTCATTAATATCAAGGATTAACCTTTTTTTTAAACC 1282
QY 1261 TCGAAGAAATTCATGTTACATGACGATGGGAAATTAATACATATTTGTTTCCAGT 1320
Db 1283 TCGAAGAAATTCATGTTACATGACGATGGGAAATTAATACATATTTGTTTCCAGT 1342
QY 1321 GCAAGAGATGATTAAGTCTTTTATCCCTCCCTTTGTTGATTTTTTTCCAGTAAAGT 1380
Db 1343 GCAAGAGATGATTAAGTCTTTTATCCCTCCCTTTGTTGATTTTTTTCCAGTAAAGT 1402
QY 1381 TAAATGCTTGAAGCTTTGATCTGAGGCTGATACAGACAGCCTCTCCCATCCCTCCAGC 1440
Db 1403 TAAATGCTTGAAGCTTTGATCTGAGGCTGATACAGACAGCCTCTCCCATCCCTCCAGC 1462
QY 1441 CTTATCTGTTCATCCACATCAACCTCCCATNYSACCTAAACAAAATCTAACTGTAAT 1500
Db 1463 CTTATCTGTTCATCCACATCAACCTCCCATNYSACCTAAACAAAATCTAACTGTAAT 1522
QY 1501 CCTTGAACATGTCAGGNCATACATTTCTCTCTGCTGCTGAGAGCTCTTCTCTGCTCTT 1560
Db 1523 CCTTGAACATGTCAGGNCATACATTTCTCTCTGCTGCTGAGAGCTCTTCTCTGCTCTT 1582
QY 1561 AANTCTAGAAATGATTAAGTTTGAATGAATGATCTATCTTATCTTATGCAAGAGGG 1620
Db 1583 AANTCTAGAAATGATTAAGTTTGAATGAATGATCTATCTTATCTTATGCAAGAGGG 1642
QY 1621 ACACATATGAGATTCATCATCATGACACAGCAATATCTAAAGTGAATTTGATTATA 1680
Db 1643 ACACATATGAGATTCATCATCATGACACAGCAATATCTAAAGTGAATTTGATTATA 1702
QY 1681 AGAGTTTGAATAAATATATGAAATCAAGAKCCAAGAGGGAATGTTTATGGGCGACGTT 1740
Db 1703 AGAGTTTGAATAAATATATGAAATCAAGAGCCAAGAGGGAATGTTTATGGGCGACGTT 1762
QY 1741 TGTAAAGCTGGGATGTGAAGAAAGCGAGGAAACCTCATAGTATCTTATATATATACT 1800
Db 1763 TGTAAAGCTGGGATGTGAAGAAAGCGAGGAAACCTCATAGTATCTTATATATATACT 1822
QY 1801 CATTTCTCTATCTCATCAATATCCAAACAGCTTTTCCACAGAAATTCATGAGTGCATA 1860
Db 1823 CATTTCTCTATCTCATCAATATCCAAACAGCTTTTCCACAGAAATTCATGAGTGCATA 1882
QY 1861 TCCCAAGAGTAACCTTTTATCCATTTTATGTTGAGTGGCTTTAGAAATTTTGGCAATCA 1920
Db 1883 TCCCAAGAGTAACCTTTTATCCATTTTATGTTGAGTGGCTTTAGAAATTTTGGCAATCA 1942
QY 1921 TACTGGTCACTTATCTCAACCTTTGATGATGTTGTTGCTTCTGTTAGTAAATGAAAGATA 1980
Db 1943 TACTGGTCACTTATCTCAACCTTTGATGATGTTGTTGCTTCTGTTAGTAAATGAAAGATA 2002
QY 1981 GGGCACTCTGTGAGCCACTTTAGGTTTCACTCTCGGCAATAAAGAAATTTTCAAGA 2037
Db 2003 GGGCACTCTGTGAGCCACTTTAGGTTTCACTCTCGGCAATAAAGAAATTTTCAAGA 2059
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RESULT 11

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US-10-294-690
; Sequence 690, Application US/10294025
; Publication No. US20030185830A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Stolk, John A.
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C29
; CURRENT APPLICATION NUMBER: US/10/294,025
; CURRENT FILING DATE: 2002-11-12
; NUMBER OF SEQ ID NOS: 1038
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
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; LENGTH: 3923									
; TYPE: DNA									
; ORGANISM: Homo sapiens									
US-10-294-025-690									
Query Match 99.8%; Score 2032; DB 16; Length 3923;									
Best Local Similarity 99.6%; Pred. No. 0;									
Matches 2029; Conservative 5; Mismatches 3; Indels 0; Gaps 0;									
QY	1	AGAAAGCTGCATCAGAAAAACAGAGGGAGATTGTGCTGCAGCGCCGAGGGAGACACAG	60						
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QY	61	GAAGATCTGCATGGTGGGAGGACCTGATGATACAGAGGAAATTACAAACATATACTTAA	120						
DB	83	GAAGATCTGCATGGTGGGAGGACCTGATGATACAGAGGAAATTACAAACATATACTTAA	142						
QY	121	TGTTTCAATGAACACCAAGATAAATGAAGTGAAGAGCTAGTCGCTGTGAGTCTCTCACT	180						
DB	143	TGTTTCAATGAACACCAAGATAAATGAAGTGAAGAGCTAGTCGCTGTGAGTCTCTCACT	202						
QY	181	GACACAGGCTGGATCACCATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA	240						
DB	203	GACACAGGCTGGATCACCATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA	262						
QY	241	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGA	300						
DB	263	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGA	322						
QY	301	GGCCACACATCTGCTGAATGGAGATTAATTAACATCACTAGAAACAGCAAGATGCAATA	360						
DB	323	GGCCACACATCTGCTGAATGGAGATTAATTAACATCACTAGAAACAGCAAGATGCAATA	382						
QY	361	TAATGTCTAAGTAGTACATGTTTTTGCACATTTCCAGCCCTTTTAAATATCCACACACA	420						
DB	383	TAATGTCTAAGTAGTACATGTTTTTGCACATTTCCAGCCCTTTTAAATATCCACACACA	442						
QY	421	CAGGAAGCACAAAGGAAGCACAGAGATCCCTGGGAGAAATCCCGCCGCCCATCTTGGG	480						
DB	443	CAGGAAGCACAAAGGAAGCACAGAGATCCCTGGGAGAAATCCCGCCGCCCATCTTGGG	502						
QY	481	TCATCGATGAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	540						
DB	503	TCATCGATGAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	562						
QY	541	AAATTGATGTCTCTTAAAGGATGGGAGGAGAAACAGATCTCTGTTGTGATATTTATTG	600						
DB	563	AAATTGATGTCTCTTAAAGGATGGGAGGAGAAACAGATCTCTGTTGTGATATTTATTG	622						
QY	601	AACGGGATTACAGATTGAAATGAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAACA	660						
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QY	661	GAGGAGAAATCTTGATGCTTCAAGAGATGCAACAAATGGAATGATGATGATG	720						
DB	683	GAGGAGAAATCTTGATGCTTCAAGAGATGCAACAAATGGAATGATGATGATG	742						
QY	721	ACATGAGGAGCAAGCTGGGAGGAGATTAACAGGGGAGAGGCTCAGGATTTCTGGCC	780						
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QY	781	CTGCTGCCCTAAATCTGCGCTTCAATACCAAAATCAATTTTCATATTTCTAACCCCTCA	840						
DB	803	CTGCTGCCCTAAATCTGCGCTTCAATACCAAAATCAATTTTCATATTTCTAACCCCTCA	862						
QY	841	AGCTGTTGTAATCTGATCTCTACGGTTCTTCTGGGCCCAACATCTCCCATATATCCA	900						
DB	863	AGCTGTTGTAATCTGATCTCTACGGTTCTTCTGGGCCCAACATCTCCCATATATCCA	922						
QY	901	GCCACACTCAATTTTAAATTTAGTTTCCAGATCTGTAAGCTTTCTTCTACACTGTAG	960						
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QY	1081	GATCTTTCAGGGTTATCTTACTAGCACACAGCATGATCATACGGAGTGAATTTATCTA	1140						
DB	1103	GATCTTTCAGGGTTATCTTACTAGCACACAGCATGATCATACGGAGTGAATTTATCTA	1162						
QY	1141	ATCAACATCATCTCCAGTGTCTTTGCCCATACTGAAATTCATTTTCCCACTTTTGTGCCCA	1200						
DB	1163	ATCAACATCATCTCCAGTGTCTTTGCCCATACTGAAATTCATTTTCCCACTTTTGTGCCCA	1222						
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DB	1223	TTCTCAAGACCTCAAAATGTCTATCCCATTAATATACAGGATTAATTTTTTTTAAACC	1282						
QY	1261	TGGAAGAATTCAAATGTTACATGCAGCTATGGGAATTTAAATTACATATTTTGTTCAGT	1320						
DB	1283	TGGAAGAATTCAAATGTTACATGCAGCTATGGGAATTTAAATTACATATTTTGTTCAGT	1342						
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QY	1381	TAAATGCTTACGCTTGTACTGAGGCTGTATACAGCAGAGCTCTCCCATCCCTCCAGC	1440						
DB	1403	TAAATGCTTACGCTTGTACTGAGGCTGTATACAGCAGAGCTCTCCCATCCCTCCAGC	1462						
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DB	1523	CCTTGAACATGTGAGGACATACATTTTCTTCTGCTGAGAGCTCTTCTTGTCTCTT	1582						
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DB	1583	AAATCTAGAATGATGTAAGTTTGAATAAGTTGACTATCTTACTTCATGCAAGAAAGG	1642						
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QY	1681	AGAGTTTATAGATAAATATATGAAATGCAAGKCCACAGAGGAAATGTTTATGGGGACGTT	1740						
DB	1703	AGAGTTTATAGATAAATATATGAAATGCAAGKCCACAGAGGAAATGTTTATGGGGACGTT	1762						
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DB	1763	TGTAAAGCTGGGATGTGAAGAAAGGAGGAGGAACTCATAGTCTCTTATATAATATCTT	1822						
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DB	1823	CATTTCTCTATCTCTCATCAATATCCAAAGCTTTTTCACAGAAATTCATGAGTGCATAA	1882						
QY	1861	TCCCAAAAGGTAACCTTTATTCATTTTATGTTGAGTGGCTTTAGAAATTTTGGCAATCA	1920						
DB	1883	TCCCAAAAGGTAACCTTTATTCATTTTATGTTGAGTGGCTTTAGAAATTTTGGCAATCA	1942						
QY	1921	TACTGGTCACTTATCTCAACTTTTGAGATGTGTTTGTCTCTGTAGTTAATTTGAAAGAAATA	1980						
DB	1943	TACTGGTCACTTATCTCAACTTTTGAGATGTGTTTGTCTCTGTAGTTAATTTGAAAGAAATA	2002						
QY	1981	GGGCACTCTTGTGAGCCACTTTAGGGTTTCACTCTCTGGCAATAAAGAAATTTTCAAAAGA	2037						
DB	2003	GGGCACTCTTGTGAGCCACTTTAGGGTTTCACTCTCTGGCAATAAAGAAATTTTCAAAAGA	2059						

RESULT 12

US-09-759-143-468
; Sequence 468, Application US/09759143
; Patent No. US200202248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-468

Query Match 85.3%; Score 1737.8; DB 9; Length 3112;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 1772; Conservative 4; Mismatches 8; Indels 3; Gaps 3;
1302 TCNACTAATAGTGTGAATAAGAAAGGCTGTGACTTTTACCATCTGAGGCCACACATC 311
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1362 TGTGAAATGGAGATTAATTAACATCACTAGAAAACAGCAAGATGACAAATATAATGTCTAAG 1421
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1422 TAGTGACATGTTTTTGCACATTTCCAGCCCCCTTTAAATATCCACACACAGCAAGCA 1481
432 AAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCGCCATCTTGGGTGATCGATGAG 491
1482 AAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCGCCATCTTGGGTGATCGATGAG 1541
492 CTTGCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 551
1542 CTTGCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1601
552 TCCCTTAAGGATGGCAGGAAACAGATCCTGTTGTTGGATATTTATTTGAAACGGGATTAC 611
1602 TCCCTTAAGGATGGCAGGAAACAGATCCTGTTGTTGGATATTTATTTGAAACGGGATTAC 1661
612 AGATTTGAAATGAAGTACAAAGTGAGCATTACCAATGAGAGAAACAGACGAGAAAT 671
1662 AGATTTGAAATGAAGTACAAAGTGAGCATTACCAATGAGAGAAACAGACGAGAAAT 1721
672 CTTGATGGCTTCAAGACATGCAACAAACAAATGGAATATCTGTGATGACATGAGGCGAG 731
1722 CTTGATGGCTTCAAGACATGCAACAAACAAATGGAATATCTGTGATGACATGAGGCGAG 1781
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Qy 1931 TTATCTCAACTTTGAGATGTTTGTCTTGTAGTTAAATGAAAGAAATAGGGCACTCTT 1990
Db 2980 TTATCTCAACTTTGAGATGTTTGTCTTGTAGTTAAATGAAAGAAATAGGGCACTCTT 3039
Qy 1991 GTGAGCCACTTTAGGGTTCACTCTCGCAATAAAGAAATTTACAAAGA 2037
Db 3040 GTGAGCCACTTTAGGGTTCACTCTCGCAATAAAGAAATTTACAAAGA 3086

RESULT 14
US-09-822-827-468
; Sequence 468, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822, 827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-827-468

Query Match 85.3%; Score 1737.8; DB 9; Length 3112;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 1772; Conservative 4; Mismatches 8; Indels 3; Gaps 3;

Qy 252 TCATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTACATCTGAGGCCACATC 311
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Qy 312 TCGTGAATGGAGATAATTAACATCACTAGAACACGCAAGATGACAAATATATGCTAAG 371
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Qy 1871 TAACTTTATCCATTTTCATGCTGAGTGGCTTTAGAAATTTTGGCAATCATACTGCTAC 1930
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Qy 1931 TTATCTCAACTTTGAGATGTTTGTCTTGTAGTTAATTTGAAAGAAATAGGCACTCTT 1990
Db 2980 TTATCTCAACTTTGAGATGTTTGTCTTGTAGTTAATTTGAAAGAAATAGGCACTCTT 3039
Qy 1991 GTGAGCCACTTTAGGTTTCACTCTGCGCAATAAAGAAATTTACAAAGA 2037
Db 3040 GTGAGCCACTTTAGGTTTCACTCTGCGCAATAAAGAAATTTACAAAGA 3086
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Job time : 2389.3 secs

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; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/111,909
; PRIOR FILING DATE: 1998-12-10
; NUMBER OF SEQ ID NOS: 140
; SOFTWARE: Patent.pm
; SEQ ID NO 63
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 1..47
; OTHER INFORMATION: polymorphic fragment 5-140-120, variant version of SEQ ID42
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: base T ; C in SEQ ID42
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..23
; OTHER INFORMATION: potential microsequencing oligo 5-140-120.mis1
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 25..47
; OTHER INFORMATION: complement potential microsequencing oligo 5-140-120.mis2
US-09-345-882-63

Query Match
Best Local Similarity 1.0%; Score 21.2; DB 3; Length 47;
Matches 29; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 1229 TAATATCAGAGTAACATTTTTTTTTTAACCTGGAAGAATT 1270
DB 6 TCATAAATTACGACATACATTTTTTTTCTTAACCTAGATAAAT 47

RESULT 3
US-09-554-929-3
; Sequence 3, Application US/09554929
; Patent No. 6521427
; GENERAL INFORMATION:
; APPLICANT: Evans, Glen A.
; TITLE OF INVENTION: A Method for the Complete Chemical
; FILE REFERENCE: P-EA 4749
; CURRENT APPLICATION NUMBER: US/09/554,929
; CURRENT FILING DATE: 2000-05-12
; NUMBER OF SEQ ID NOS: 193
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide
US-09-554-929-3

Query Match
Best Local Similarity 1.0%; Score 21; DB 4; Length 50;
Matches 30; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 1654 AAATACTAAAGTGAATTTGATTATAAGAGTTTACATAAATATA 1698
DB 5 AAAAAATGAATTTGAAATGAATTTATTAGAAATTCGCTTAATAATAA 49

RESULT 4
US-09-422-978-3012/c
; Sequence 3012, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta

```

```

; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 3012
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-21666-96 : polymorphic base C or A
US-09-422-978-3012

Query Match
Best Local Similarity 1.0%; Score 20.8; DB 4; Length 47;
Matches 28; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 417 CACACAGGAAGCACAAAAAGGAGCAGACAGATCCCTGGGA 456
DB 41 CTCCTAAGGAGCAGACAAAGKGGCACCACCCAGAAATTTCTGGCA 2

RESULT 5
US-09-422-978-3116
; Sequence 3116, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 3116
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-23696-164 : polymorphic base C or T
US-09-422-978-3116

Query Match
Best Local Similarity 1.0%; Score 20.8; DB 4; Length 47;
Matches 28; Conservative 2; Mismatches 15; Indels 0; Gaps 0;

QY 1452 TCACATCAACCCCTCCCATNYSACCTAAACAAAATCTAACTTGT 1496
DB 2 TCTCCATCCACCCCTCACTCTCTCTCTCTCTCTCTCTCTCTCTCT 46

RESULT 6
US-09-422-978-1035
; Sequence 1035, Application US/09422978
; Patent No. 6537751

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RESULT 7
US-08-379-926A-5/c
Sequence 5, Application US/08379926A
Patent No. 5783414
GENERAL INFORMATION:
APPLICANT: CARREZ, DIRK
APPLICANT: ROOS, JOEL
TITLE OF INVENTION: EXPRESSION SYSTEM, INTEGRATION
TITLE OF INVENTION: VECTOR
TITLE OF INVENTION: AND CELL TRANSFORMED BY THIS INTEGRATION VECTOR
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER &
ADDRESSEE: NEUSTADT
STREET: 1755 S. JEFFERSON DAVIS HWY, SUITE 400
CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/379,926A
FILING DATE: 27-JAN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: BE 09400102
FILING DATE: 28-JAN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: BE 09400586
FILING DATE: 17-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: BE 09500014
FILING DATE: 09-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NORMAN F

```

;
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 3987-13-0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 49 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "synthetic oligonucleotide"
; US-08-379-926A-5

Query Match 1.0%; Score 20.4; DB 1; Length 49;
Best Local Similarity 71.1%; Pred. No. 3.5e+04;
Matches 27; Conservative 0; Mismatches 1; Indels

QY 709 AATACTGTGATGACATGAGGCAGGCAGCCAAAGCTGGGGAGGA 746
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
ATTGCTGAGCTGTAATGATGCGCGCGCTGGGGATGA 10

RESULT 8
US-09-422-978-71
; Sequence 71, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 71
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-12668-329 : polymorphic base C or T
; US-09-422-978-71

Query Match 1.0%; Score 20.2; DB 4; Length 47;
Best Local Similarity 65.1%; Pred. No. 3.9e+04;
Matches 28; Conservative 1; Mismatches 14; Indels

QY 1992 TGAGCCACTTTAGGTTTCATCTCTGGCAATTAAGAAATTTACAA 2034
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
TCACCCCTCAGCAGATTTTCAGTCTCTGGTGACAAGAATTTCCAA 45

RESULT 9
US-08-853-217-24
; Sequence 24, Application US/08853217
; Patent No. 5942395
; GENERAL INFORMATION:
; APPLICANT: Fournier, Maurille J.
; APPLICANT: Samarsky, Dmitry A.
; APPLICANT: Feybeyre, Gerardo
; APPLICANT: Cedergren, Robert
; TITLE OF INVENTION: HYBRID RIBOZYMES AND METHODS OF USE

```

; NUMBER OF SEQUENCES: 33
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/853,217
; FILING DATE: 09-MAY-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Fasse, Peter J.
; REGISTRATION NUMBER: 32,983
; REFERENCE/DOCKET NUMBER: 07880/034001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/542-5070
; TELEFAX: 617/542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 48 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-853-217-24

Query Match 1.0%; Score 20.2; DB 2; Length 48;
Best Local Similarity 68.3%; Pred. No. 3.9e+04;
Matches 28; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 651 GAGGAACACGACGAGAAATCTTGATGGCTTCACAGACA 691
DB 1 GTGAGAAACCGCGGATGATCTTGATGGGTACAAATGGCA 41

RESULT 10
US-09-636-735A-6
; Sequence 6, Application US/09636735A
; Patent No. 6416956
; GENERAL INFORMATION:

; APPLICANT: Berg, Patricia
; TITLE OF INVENTION: No. 6416956el Transcription Factor, BP1
; FILE REFERENCE: 179.37405X00
; CURRENT APPLICATION NUMBER: US/09/636,735A
; CURRENT FILING DATE: 2000-08-11
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
; LENGTH: 48

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(48)
; OTHER INFORMATION: synthesized oligonucleotide
US-09-636-735A-6

Query Match 1.0%; Score 20.2; DB 3; Length 48;
Best Local Similarity 68.3%; Pred. No. 3.9e+04;
Matches 28; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 579 TCCCTGTTGGGATATTATTGGAACGGGATTACAGATTGA 619

DB 2 TCTTTTAATGGATATTATTTCATATAATAAAAAATTAGA 42

RESULT 11

US-09-422-978-2561/c
; Sequence 2561, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 2561
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-11824-90 : polymorphic base T or A
US-09-422-978-2561

Query Match 1.0%; Score 20; DB 4; Length 47;
Best Local Similarity 63.0%; Pred. No. 4.5e+04;
Matches 29; Conservative 1; Mismatches 16; Indels 0; Gaps 0;

QY 892 ATATATCCAGCACACTCATTTTAAATATTAGTTCCAGATCTGT 937
DB 47 AAACATACAGTTAAGCTTTTTTAAATTTTACTCTGCAGACCTCT 2

RESULT 12

US-09-422-978-3053
; Sequence 3053, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:

; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 3053
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-21893-388 : polymorphic base G or A
US-09-422-978-3053

Query Match 1.0%; Score 20; DB 4; Length 47;
Best Local Similarity 76.7%; Pred. No. 4.5e+04;

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Matches 23; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 119 AGTGTTCATGAACACCAAGATAAATAG 148
    ||| ||| ||| ||| ||| ||| ||| |||
Db 4 AGAAGTTCATGAACCAACCAAGAAGAAG 33

RESULT 13
US-09-422-978-3692
; Sequence 3692, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 3692
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-9765-237 : polymorphic base A or G
US-09-422-978-3692

Query Match 1.0%; Score 20; DB 4; Length 47;
Best Local Similarity 68.4%; Pred. No. 4.5e+04;
Matches 26; Conservative 1; Mismatches 11; Indels 0; Gaps 0;

QY 1302 ACATATTTTGTTCAGTCAAGATGACTAGTCT 1339
    ||| ||| ||| ||| ||| ||| ||| |||
Db 7 ACATATTTGCTTGARGACAAAGGTCTACTCT 44

RESULT 14
US-09-866-028-89/c
; Sequence 89, Application US/09866028
; Patent No. 6642360
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; APPLICANT: Botstein, David
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Kljavin, Ivar
; APPLICANT: Napier, Mary
; APPLICANT: Roy, Margaret
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P2548PIC1
; CURRENT APPLICATION NUMBER: US/09/866,028
; CURRENT FILING DATE: 2001-05-25
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 120
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; SEQ ID NO 89
; LENGTH: 49
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide probe
US-09-866-028-89

Query Match 1.0%; Score 19.8; DB 4; Length 49;
Best Local Similarity 63.8%; Pred. No. 5.3e+04;
Matches 30; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 1083 TCTTTCAGGTTTACTACTAGCACACAGCATCATTCAGGAG 1129
    ||| ||| ||| ||| ||| ||| ||| |||
Db 48 TCTTTTTCAGGCAATTCGACTAGCAGACAGCCCTTAGTGTTCAGGAAG 2

RESULT 15
US-09-944-457-89/c
; Sequence 89, Application US/09944457
; Patent No. 6734288
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; APPLICANT: Botstein, David
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Kljavin, Ivar
; APPLICANT: Napier, Mary
; APPLICANT: Roy, Margaret
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P2548PIC1
; CURRENT APPLICATION NUMBER: US/09/944,457
; CURRENT FILING DATE: 2001-09-26
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 120
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;
; PRIOR APPLICATION NUMBER: 60/075,945
; PRIOR FILING DATE: February 25, 1998
; PRIOR APPLICATION NUMBER: 60/112,850
; PRIOR FILING DATE: December 16, 1998
; PRIOR APPLICATION NUMBER: 60/113,296
; PRIOR FILING DATE: December 22, 1998
; PRIOR APPLICATION NUMBER: 60/146,222
; PRIOR FILING DATE: July 28, 1999
; PRIOR APPLICATION NUMBER: PCT/US98/19330
; PRIOR FILING DATE: September 16, 1998
; PRIOR APPLICATION NUMBER: PCT/US98/25108
; PRIOR FILING DATE: December 1, 1998
; PRIOR APPLICATION NUMBER: 09/216,021
; PRIOR FILING DATE: December 16, 1998
; PRIOR APPLICATION NUMBER: 09/218,517
; PRIOR FILING DATE: December 22, 1998
; PRIOR APPLICATION NUMBER: 09/254,311
; PRIOR FILING DATE: March 3, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/12252
; PRIOR FILING DATE: June 22, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: September 15, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/28409
; PRIOR FILING DATE: No. 6734288ember 30, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: No. 6734288ember 30, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/28301
; PRIOR FILING DATE: December 1, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: December 16, 1999
; PRIOR APPLICATION NUMBER: PCT/US00/03565
; PRIOR FILING DATE: February 11, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: February 22, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/05841
; PRIOR FILING DATE: March 2, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/08439
; PRIOR FILING DATE: March 30, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/14042
; PRIOR FILING DATE: May 22, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/20710
; PRIOR FILING DATE: July 28, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/32678
; PRIOR FILING DATE: December 1, 2000
; PRIOR APPLICATION NUMBER: PCT/US01/06520
; PRIOR FILING DATE: February 28, 2001
; NUMBER OF SEQ ID NOS: 120
; SEQ ID NO 89
; LENGTH: 49
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide probe
US-09-944-457-89

Query Match 1.0%; Score 19.8; DB 4; Length 49;
Best Local Similarity 63.8%; Pred. No. 5.3e+04;
Matches 30; Conservative 0; Mismatches 17; Indels 0; Gaps 0;
QY 1083 TCTTTCCAGGTTTACTTACTAGCACACAGCATCATTCACGGAG 1129
DB 48 TCTTTTGGGCAATCTGACTAGCACAGCATTCAGTGTGTCAGGAAG 2

Search completed: August 24, 2005, 09:57:44
Job time : 444.38 secs

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OM nucleic - nucleic search, using sw model

Run on: August 23, 2005, 18:10:39 ; Search time 2108.32 Seconds
(without alignments)
6277.132 Million cell updates/sec

Title: US-09-402-713C-1
Perfect score: 2037
Sequence: 1 agagctggatcagaaaaa.....caataaagaattacaaga 2037

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 7316285 seqs, 3248459403 residues

Total number of hits satisfying chosen parameters: 8303704

Minimum DB seq length: 10
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

- Database :
- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*
 - 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq.*
 - 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
 - 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
 - 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
 - 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq.*
 - 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq.*
 - 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq.*
 - 9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq.*
 - 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
 - 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
 - 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
 - 13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
 - 14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
 - 15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
 - 16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq.*
 - 17: /cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq.*
 - 18: /cgn2_6/ptodata/2/pubpna/US10F_PUBCOMB.seq.*
 - 19: /cgn2_6/ptodata/2/pubpna/US10G_PUBCOMB.seq.*
 - 20: /cgn2_6/ptodata/2/pubpna/US10H_PUBCOMB.seq.*
 - 21: /cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq.*
 - 22: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
 - 23: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq.*
 - 24: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
 - 25: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
 - 26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	50	2.5	50	10	US-09-996-953-4
C 2	50	2.5	50	24	US-11-085-060-4
C 3	40	2.0	40	22	US-10-880-425A-14
C 4	38	1.9	38	22	US-10-880-425A-31
C 5	33	1.6	33	22	US-10-880-425A-35
C 6	31	1.5	31	22	US-10-880-425A-32
C 7	30	1.5	30	22	US-10-880-425A-13

Sequence 15, Appl	30	1.5	30	22	US-10-880-425A-15
Sequence 20, Appl	30	1.5	30	22	US-10-880-425A-20
Sequence 36, Appl	50	2.8	28.8	22	US-10-880-425A-36
Sequence 28, Appl	11	28.4	28.4	34	US-10-880-425A-28
Sequence 40, Appl	12	26	26	26	US-09-957-708-40
Sequence 40, Appl	13	26	26	26	US-10-880-425A-40
Sequence 5039, Ap	14	25.2	25.2	48	US-09-927-046-5039
Sequence 39, Appl	15	25	25	25	US-09-957-708-39
Sequence 22, Appl	16	25	25	22	US-10-880-425A-22
Sequence 24, Appl	17	24	24	24	US-10-880-425A-24
Sequence 38, Appl	18	23	23	23	US-10-880-425A-38
Sequence 141, App	19	22.6	22.6	37	US-10-029-345A-141
Sequence 14, Appl	20	22.6	22.6	43	US-10-711-849-14
Sequence 5894, Ap	21	22.6	22.6	50	US-10-131-827-5894
Sequence 2, Appl	22	22	22	17	US-09-996-953-2
Sequence 46, Appl	22	22	22	22	US-10-880-425A-46
Sequence 2, Appl	22	22	22	24	US-11-085-060-2
Sequence 89, Appl	24	22	22	49	US-10-332-522A-89
Sequence 2855, Ap	25	22	22	47	US-10-349-143-2855
Sequence 2037, Ap	26	21.6	21.6	50	US-10-032-585-2037
Sequence 5025, Ap	27	21.6	21.6	16	US-10-880-425A-26
Sequence 68, Appl	28	21.4	21.4	32	US-10-270-176-68
Sequence 6331, Ap	29	21.4	21.4	18	US-09-927-046-5025
Sequence 63, Appl	30	21.2	21.2	48	US-10-071-179-63
Sequence 63, Appl	31	21.2	21.2	15	US-10-126-704-63
Sequence 2839, Ap	32	21.2	21.2	47	US-10-131-827-2839
Sequence 4348, Ap	33	21.2	21.2	50	US-10-131-827-4348
Sequence 6033, Ap	34	21.2	21.2	50	US-10-131-827-6033
Sequence 6331, Ap	35	21.2	21.2	50	US-10-131-827-6331
Sequence 43, Appl	36	21.2	21.2	50	US-10-880-425A-43
Sequence 105, App	37	21	21	21	US-10-029-345A-105
Sequence 137, App	38	21	21	37	US-10-029-345A-137
Sequence 190, App	39	21	21	37	US-10-469-851-190
Sequence 3, Appl	40	21	21	40	US-10-322-360-3
Sequence 503, App	41	21	21	50	US-10-131-827-503
Sequence 7917, Ap	42	21	21	50	US-10-131-827-7917
Sequence 3012, Ap	43	20.8	20.8	50	US-10-349-143-3012
Sequence 3116, Ap	44	20.8	20.8	47	US-10-349-143-3116
	45			17	

ALIGNMENTS

RESULT 1

US-09-996-953-4/c
; Sequence 4, Application US/09996953
; Publication No. US20030165850A1
; GENERAL INFORMATION:
; APPLICANT: Busemackers, Marion J.
; APPLICANT: Verhaegh, Gerald
; APPLICANT: Schalken, Jack A.
; TITLE OF INVENTION: Nucleic Acid Molecules Comprising The Promoter For
; FILE REFERENCE: PCA3dd3, A New Prostate Antigen, And Uses Thereof
; CURRENT APPLICATION NUMBER: US/09/996,953
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: JP 2001-164963
; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: CA 2,357,073
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-09-996-953-4

Query Match 2.5%; Score 50; DB 10; Length 50;
Best Local Similarity 100.0%; Pred. No. 0.0036; Indels 0; Gaps 0;
Matches 50; Conservative 0; Mismatches 0;

Db 1 GGAGCACAAGGAGACACAGAGATCCCTGGG 33

RESULT 6

US-10-880-425A-32
; Sequence 32, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 32
; LENGTH: 31
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-32

Query Match 1.5%; Score 31; DB 22; Length 31;

Best Local Similarity 100.0%; Pred. No. 3.9e+02; Indels 0; Gaps 0;

Matches 31; Conservative 0; Mismatches 0;

QY 427 GCACAAAGGAGACACAGAGATCCCTGGGAG 457

Db 1 GCACAAAGGAGACACAGAGATCCCTGGGAG 31

RESULT 7

US-10-880-425A-13
; Sequence 13, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 13
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-13

Query Match 1.5%; Score 30; DB 22; Length 30;

Best Local Similarity 100.0%; Pred. No. 7.1e+02; Indels 0; Gaps 0;

Matches 30; Conservative 0; Mismatches 0;

QY 1 AGAAGCTGGCATCAGAAAAACAGAGGGGAG 30

Db 1 AGAAGCTGGCATCAGAAAAACAGAGGGGAG 30

RESULT 8

US-10-880-425A-15
; Sequence 15, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 15
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-15

Query Match 1.5%; Score 30; DB 22; Length 30;

Best Local Similarity 100.0%; Pred. No. 7.1e+02; Indels 0; Gaps 0;

Matches 30; Conservative 0; Mismatches 0;

QY 257 GCACGGGTGAGAAATAAGAAAGGCTGCTG 286

Db 1 GCACGGGTGAGAAATAAGAAAGGCTGCTG 30

RESULT 9

US-10-880-425A-20
; Sequence 20, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 20
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-20

Query Match 1.5%; Score 30; DB 22; Length 30;

Best Local Similarity 100.0%; Pred. No. 7.1e+02; Indels 0; Gaps 0;

Matches 30; Conservative 0; Mismatches 0;

QY 92 TACAGAGAAATACACACATATACTAGT 121

Db 1 TACAGAGAAATACACACATATACTAGT 30

RESULT 10

US-10-880-425A-36/C
; Sequence 36, Application US/10880425A

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; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 36
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-36

Query Match          1.4%; Score 28.8; DB 22; Length 50;
Best Local Similarity 93.8%; Pred. No. 2e+03;
Matches 30; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 471 CCATCTTGGTGCATGCATGAGCTCGCCCTGT 502
Db 50 CCATCTTGGTGCATGCATGAGCTCTCCCTAT 19

RESULT 11
US-10-880-425A-28
; Sequence 28, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 28
; LENGTH: 34
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-28

Query Match          1.4%; Score 28.4; DB 22; Length 34;
Best Local Similarity 96.7%; Pred. No. 2.1e+03;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 259 CAGGGGTGAGAAATAAGAAAGGCTGCTGAC 288
Db 5 CAGAGGTGAGAAATAAGAAAGGCTGCTGAC 34

RESULT 12
US-09-957-708-40
; Sequence 40, Application US/09957708
; Publication No. US20030031678A1
; GENERAL INFORMATION:
; APPLICANT: Sun, Yongming
; APPLICANT: Recipon, Herve
; APPLICANT: Cafferkey, Robert
; APPLICANT: Ali, Shujath
; TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific
; FILE REFERENCE: DEX-0239
; CURRENT APPLICATION NUMBER: US/09/957,708
; CURRENT FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/233,746
; PRIOR FILING DATE: 2000-09-19
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 40
; LENGTH: 26
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-957-708-40

Query Match          1.3%; Score 26; DB 10; Length 26;
Best Local Similarity 100.0%; Pred. No. 7.9e+03;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 278 AGGCTGCTGACTTTTACCATCTGAGGC 303
Db 1 AGGCTGCTGACTTTTACCATCTGAGGC 26

RESULT 13
US-10-880-425A-40/c
; Sequence 40, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 40
; LENGTH: 26
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-40

Query Match          1.3%; Score 26; DB 22; Length 26;
Best Local Similarity 100.0%; Pred. No. 7.9e+03;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 554 CTTAAAGGATGGCAGGAAACAGAT 579
Db 26 CTTAAAGGATGGCAGGAAACAGAT 1

RESULT 14
US-09-927-046-5039/c
; Sequence 5039, Application US/09927046
; Publication No. US20030064946A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc
; APPLICANT: McSwiggen, Jim
; APPLICANT: Thompson, Jim
; APPLICANT: McKenzie, Tim
```

```
; APPLICANT: Ayers, Dave
; APPLICANT: Grupe, Andrew
; APPLICANT: Szymkowski, Edmund
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Calcium Activated Chloride Channel-1
; FILE REFERENCE: 249/021
; CURRENT APPLICATION NUMBER: US/09/927,046
; CURRENT FILING DATE: 2001-08-09
; NUMBER OF SEQ ID NOS: 5450
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5039
; LENGTH: 48
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Enzymatic Nucleic Acid
US-09-927-046-5039

Query Match          1.2%; Score 25.2; DB 10; Length 48;
Best Local Similarity 71.7%; Pred. No. 1.8e+04;
Matches 33; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 49 GAGGAGACCCGAGAGATCTGTCATGTCGGAAGGACCTGATGATAC 94
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 48 GAGGAGACCCGAGAGATCTCTTGAAGGAGTAACTCTCTGATAC 3

RESULT 15
US-09-957-708-39/c
; Sequence 39, Application US/09957708
; Publication No. US20030031678A1
; GENERAL INFORMATION:
; APPLICANT: Sun, Yongming
; APPLICANT: Recipon, Herve
; APPLICANT: Cafferkey, Robert
; APPLICANT: Ali, Shujath
; TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific
; TITLE OF INVENTION: Genes
; FILE REFERENCE: DEX-0239
; CURRENT APPLICATION NUMBER: US/09/957,708
; CURRENT FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/233,746
; PRIOR FILING DATE: 2000-09-19
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 39
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-957-708-39

Query Match          1.2%; Score 25; DB 10; Length 25;
Best Local Similarity 100.0%; Pred. No. 1.4e+04;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 334 ATCACTAGAAACAGCAAGATGACAA 358
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DB 25 ATCACTAGAAACAGCAAGATGACAA 1

Search completed: August 25, 2005, 00:56:04
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 23, 2005, 11:36:42 ; Search time 394.627 Seconds
(without alignments)
7762.041 Million cell updates/sec

Title: US-09-402-713C-3
Perfect score: 1872
Sequence: 1 agaaactggcatcagaaaaa.....caataaagaattacaaga 1872

Scoring table: IDENTITY NUC
Gapop 10_0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues
Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA: *
1: /cgn2_6/prodata/1/ina/5A COMB.seq: *
2: /cgn2_6/prodata/1/ina/5B COMB.seq: *
3: /cgn2_6/prodata/1/ina/6A COMB.seq: *
4: /cgn2_6/prodata/1/ina/6B COMB.seq: *
5: /cgn2_6/prodata/1/ina/6C COMB.seq: *
6: /cgn2_6/prodata/1/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1772.4	94.7	3923	4	US-09-636-215-690
2	1772.4	94.7	3923	4	US-09-685-166A-690
3	1772.4	94.7	3923	4	US-09-679-426-690
4	1772.4	94.7	3923	4	US-09-759-143-690
5	1772.4	94.7	3923	4	US-09-651-236-690
6	1739.2	92.9	3112	3	US-09-439-313-468
7	1739.2	92.9	3112	3	US-09-352-616A-468
8	1739.2	92.9	3112	4	US-09-636-215-468
9	1739.2	92.9	3112	4	US-09-685-166A-468
10	1739.2	92.9	3112	4	US-09-679-426-468
11	1739.2	92.9	3112	4	US-09-759-143-468
12	1739.2	92.9	3112	4	US-09-651-236-468
13	1734	92.6	2426	3	US-09-439-313-470
14	1734	92.6	2426	3	US-09-651-236-470
15	1734	92.6	2426	4	US-09-636-215-470
16	1734	92.6	2426	4	US-09-685-166A-470
17	1734	92.6	2426	4	US-09-679-426-470
18	1734	92.6	2426	4	US-09-759-143-470
19	1734	92.6	2426	4	US-09-651-236-470
20	1715	91.6	2229	3	US-09-439-313-469
21	1715	91.6	2229	3	US-09-352-616A-469
22	1715	91.6	2229	4	US-09-636-215-469
23	1715	91.6	2229	4	US-09-685-166A-469
24	1715	91.6	2229	4	US-09-679-426-469
25	1715	91.6	2229	4	US-09-759-143-469
26	1715	91.6	2229	4	US-09-651-236-469
27	812	43.4	812	3	US-09-439-313-471

C 28	812	43.4	812	3	US-09-352-616A-471	Sequence 471, App
C 29	812	43.4	812	4	US-09-636-215-471	Sequence 471, App
C 30	812	43.4	812	4	US-09-685-166A-471	Sequence 471, App
C 31	812	43.4	812	4	US-09-679-426-471	Sequence 471, App
C 32	812	43.4	812	4	US-09-759-143-471	Sequence 471, App
C 33	812	43.4	812	4	US-09-651-236-471	Sequence 471, App
C 34	513.2	27.4	718	3	US-09-439-313-313	Sequence 313, App
C 35	513.2	27.4	718	3	US-09-352-616A-313	Sequence 313, App
C 36	513.2	27.4	718	3	US-09-232-149A-313	Sequence 313, App
C 37	513.2	27.4	718	4	US-09-636-215-313	Sequence 313, App
C 38	513.2	27.4	718	4	US-09-685-166A-313	Sequence 313, App
C 39	513.2	27.4	718	4	US-09-688-489-313	Sequence 313, App
C 40	513.2	27.4	718	4	US-09-679-426-313	Sequence 313, App
C 41	513.2	27.4	718	4	US-09-759-143-313	Sequence 313, App
C 42	513.2	27.4	718	4	US-09-651-236-313	Sequence 313, App
C 43	414.2	22.1	437	4	US-09-513-999C-10843	Sequence 10843, A
C 44	406.4	21.7	481	4	US-09-621-976-15110	Sequence 15110, A
C 45	288.4	15.4	301	3	US-09-439-313-287	Sequence 287, App

ALIGNMENTS

RESULT 1
US-09-636-215-690
; Sequence 690, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-636-215-690

Query Match	94.7%	Score 1772.4;	DB 4;	Length 3923;
Best Local Similarity	99.5%	Pred. No. 0;		
Matches 1770;	Conservative	5;	Mismatches	4;
Indels	0;	Gaps	0;	
Qy	94	CAGAGGTGAGAAATAAGAAAGGCTGCTGACATTTACCATCTTGAGGCCACACATCTCTGAA	153	
Db	281	CAGGGGTGAGAAATAAGAAAGGCTGCTGACATTTACCATCTTGAGGCCACACATCTCTGAA	340	
Qy	154	ATGGAGATTAATTAACATCACTAGAAAACAGCAAGATGACAATATATGTCTAAGTAGTGAC	213	
Db	341	ATGGAGATTAATTAACATCACTAGAAAACAGCAAGATGACAATATATGTCTAAGTAGTGAC	400	
Qy	214	ATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCAAAAGGAA	273	
Db	401	ATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCAAAAGGAA	460	

274 GCACAGAGATCCCTGGGAGAAATGCGCGGCCATCTTTGGGTCACTCGATGAGCCTCGCC 333
1541 ATACATTAATCTCTGCTGCTGAGAGCTCTTCCCTGCTCTTAAATCTAGATGATGTA 1600
1414 AGTTTGAATAGTTGACTATCTTACTTCATGCAAGAGGACACATATGAGATTCATC 1473
1601 AGTTTGAATAGTTGACTATCTTACTTCATGCAAGAGGACACATATGAGATTCATC 1660
1474 ATACATGAGACAGCAAAATCTTAAAGTGAATTTGATTATAAGAGTTTAGATAAATA 1533
1661 ATACATGAGACAGCAAAATCTTAAAGTGAATTTGATTATAAGAGTTTAGATAAATA 1720
1534 TGAATGCAAGACACAGAGGAAATGTTTATGCGGCACGTTTGTAAAGCCTGGGATGCA 1593
1721 TGAATGCAAGAGCCACAGAGGAAATGTTTATGCGGCACGTTTGTAAAGCCTGGGATGCA 1780
1594 AGMAAGGAGGAAACCTCATAGTATCTTATATAATATATCTTCTATCTATCTATC 1653
1781 AGCAAGGAGGAAACCTCATAGTATCTTATATAATATATCTTCTATCTATCTATC 1840
1654 ACAATATCCAAACAGCTTTTTCACAGAAATTCATGCAAGTCAAAATCCCAAGGTAACCTTT 1713
1841 ACAATATCCAAACAGCTTTTTCACAGAAATTCATGCAAGTCAAAATCCCAAGGTAACCTTT 1900
1714 ATCCATTTTCATGGTGAGTGCCTTTTGAAGATTTTGGCAATCATACTGCTTATCTCA 1773
1901 ATCCATTTTCATGGTGAGTGCCTTTTGAAGATTTTGGCAATCATACTGCTTATCTCA 1960
1774 ACTTTGAGATGTTTGTCTTGTAGTTAATTAAGAAATAGGACACTCTTGTGAGCCA 1833
1961 ACTTTGAGATGTTTGTCTTGTAGTTAATTAAGAAATAGGACACTCTTGTGAGCCA 2020
1834 CTTTAGGTTTCACTCTCGCAATTAAGAAATTTTACAAAGA 1872
2021 CTTTAGGTTTCACTCTCGCAATTAAGAAATTTTACAAAGA 2059

RESULT 2
US-09-685-166A-690
; Sequence 690, Application US/09685166A
; Patent No.: 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darriek
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685,166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-685-166A-690

Query Match 94.7%; Score 1772.4; DB 4; Length 3923;

Best Local Similarity 99.58; Pred. No. 0; Matches 1770; Conservative 5; Mismatches 4; Indels 0; Gaps 0;			
Qy	94	CAGAGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAA	153
Db	281	CAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAA	340
Qy	154	ATGAGAGTAATTAACATCACTAGAAACAGCAAGATGACAAATAAATGCTTAAGTAGTGAC	213
Db	341	ATGAGAGTAATTAACATCACTAGAAACAGCAAGATGACAAATAAATGCTTAAGTAGTGAC	400
Qy	214	ATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACAGAGAGACACAAAAGGAA	273
Db	401	ATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACAGAGAGACACAAAAGGAA	460
Qy	274	GCACAGAGATCCCTGGGAGAAATGCCCGCGGCATCTTGGGTCACTGATGAGCCTCGCC	333
Db	461	GCACAGAGATCCCTGGGAGAAATGCCCGCGGCATCTTGGGTCACTGATGAGCCTCGCC	520
Qy	334	CTGTGCTGTCCCGCTTGTGAGGAGAGCAATAGAAAATGAATGATGTGTTCTTAA	393
Db	521	CTGTGCTGTCCCGCTTGTGAGGAGAGCAATAGAAAATGAATGATGTGTTCTTAA	580
Qy	394	AGGATGGCAGGAAACAGATCCTGTGTGGATATTTTGAACGGGATTACAGATTG	453
Db	581	AGGATGGCAGGAAACAGATCCTGTGTGGATATTTTGAACGGGATTACAGATTG	640
Qy	454	AAATGAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAACACAGAGAGAAATCTTGATG	513
Db	641	AAATGAAGTCAAAAGTGAGCATTTCCATGAGAGGAAACACAGAGAGAAATCTTGATG	700
Qy	514	GCTTCAAGACATGCAACAAACAAATGGAATACCTGTGATGATGATGAGCAGCAGCT	573
Db	701	GCTTCAAGACATGCAACAAACAAATGGAATACCTGTGATGATGATGAGCAGCAGCT	760
Qy	574	GGGGAGGATACCCAGGGGAGAGGTCAGGATCTGGCCCTGCTGCTTAACTGTGC	633
Db	761	GGGGAGGATACCCAGGGGAGAGGTCAGGATCTGGCCCTGCTGCTTAACTGTGC	820
Qy	634	GTTCAATACCAATCATTTTCATATTTCTAACCTCAAAACAAAGCTGTTGTAATATCTGA	693
Db	821	GTTCAATACCAATCATTTTCATATTTCTAACCTCAAAACAAAGCTGTTGTAATATCTGA	880
Qy	694	TCCTACGGTTCCTTCTGGGCCCAACATCTCCATATATCCAGCCACACTCAATTTTAAAT	753
Db	881	TCCTACGGTTCCTTCTGGGCCCAACATCTCCATATATCCAGCCACACTCAATTTTAAAT	940
Qy	754	ATTTAGTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATTAACATTACTCAATTT	813
Db	941	ATTTAGTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATTAACATTACTCAATTT	1000
Qy	814	GTTCAAGACCTTCTGTTGCTGCTTAATATGTAGTACTGTTTCTTCTTAAAGGAGTG	873
Db	1001	GTTCAAGACCTTCTGTTGCTGCTTAATATGTAGTACTGTTTCTTCTTAAAGGAGTG	1060
Qy	874	TCCTGGCCAGGGATCTGTAACAGAGGCTGGGAAGCATCTCAAGATCTTTCAGGGTTATA	933
Db	1061	TCCTGGCCAGGGATCTGTAACAGAGGCTGGGAAGCATCTCAAGATCTTTCAGGGTTATA	1120
Qy	934	CTTACTAGCACAGCATGATCAATAGGAGTGAATTAATCTAATCAACATCATCTCAGT	993
Db	1121	CTTACTAGCACAGCATGATCAATAGGAGTGAATTAATCTAATCAACATCATCTCAGT	1180
Qy	994	GTCTTTTCCCATACTGAAATTCATTTCCCATCTTTGCGCCATCTCAAGACCTCAAAAT	1053
Db	1181	GTCTTTTCCCATACTGAAATTCATTTCCCATCTTTGCGCCATCTCAAGACCTCAAAAT	1240
Qy	1054	GTCAATCCATTAATATACAGGATTAATCTTTTAACTGGAGAAATTCATGTTA	1113
Db	1241	GTCAATCCATTAATATACAGGATTAATCTTTTAACTGGAGAAATTCATGTTA	1300
Qy	1114	CATGAGCTATGGAAATTAATACATATTTTGTGTTTCCAGTCCAAAGATGACTAAGTCC	1173

Db	1301	CATGAGCTATGGGAATTTAATTAACATATTTTGTGTTTCCAGTGCAAGATGACTAAGTCC	1360
Qy	1174	TTTATCCCTCCCTTTGTTTGTGATTTTTCAGATATAAGTTAAATGCTTTAGCCTTGT	1233
Db	1361	TTTATCCCTCCCTTTGTTTGTGATTTTTCAGATATAAGTTAAATGCTTTAGCCTTGT	1420
Qy	1234	ACTGAGGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCTTATCTGTCTATCAACAT	1293
Db	1421	ACTGAGGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCTTATCTGTCTATCAACAT	1480
Qy	1294	CAACCCCTCCCATNTSACCTAAACAAAATCTAACTTGTAAATTCCTTGAACATGTCAGGNC	1353
Db	1481	CAACCCCTCCCATNTSACCTAAACAAAATCTAACTTGTAAATTCCTTGAACATGTCAGGNC	1540
Qy	1354	ATACATTTTCTCTCTGCTGAGAGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	1413
Db	1541	ATACATTTTCTCTCTGCTGAGAGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	1600
Qy	1414	AGTTTGAATTAAGTTGACTATCTTACTTCTCATGCAAGAAAGGACACATATGAGATTCTATC	1473
Db	1601	AGTTTGAATTAAGTTGACTATCTTACTTCTCATGCAAGAAAGGACACATATGAGATTCTATC	1660
Qy	1474	ATCACATGAGACAGCAAAATACATAAGTGTAAATTTGATTATAGAGTTTAGATAATATA	1533
Db	1661	ATCACATGAGACAGCAAAATACATAAGTGTAAATTTGATTATAGAGTTTAGATAATATA	1720
Qy	1534	TGAAATGCAAGACACACAGAGGAAATGTTTATGGGGCAGCTTTGTAAGCCTGGGATGTA	1593
Db	1721	TGAAATGCAAGACACACAGAGGAAATGTTTATGGGGCAGCTTTGTAAGCCTGGGATGTA	1780
Qy	1594	AGMAAGGAGGAGAACCTCATAGTATCTTATATATATATATCTCTCTCTCTCTCTCTCTCT	1653
Db	1781	AGMAAGGAGGAGAACCTCATAGTATCTTATATATATATATCTCTCTCTCTCTCTCTCTCT	1840
Qy	1654	ACAATATCCAAACAAAGCTTTTACAGAAATTCATGAGTGCATAATCCCAAGGTAACCTTT	1713
Db	1841	ACAATATCCAAACAAAGCTTTTACAGAAATTCATGAGTGCATAATCCCAAGGTAACCTTT	1900
Qy	1714	ATCCATTTTCTGCTGAGTGCCTTTAGAAATTTTGGCAATCATATCTGCTCACTTATCTCA	1773
Db	1901	ATCCATTTTCTGCTGAGTGCCTTTAGAAATTTTGGCAATCATATCTGCTCACTTATCTCA	1960
Qy	1774	ACTTTGAGATGTTTGTCTTGTAGTTAAATTTGAAGAAATAGGGCAGCTCTTGTGAGCCA	1833
Db	1961	ACTTTGAGATGTTTGTCTTGTAGTTAAATTTGAAGAAATAGGGCAGCTCTTGTGAGCCA	2020
Qy	1834	CTTTAGGGTTCACTCTCTGCAATAAGAAATTTTACAAAGA	1872
Db	2021	CTTTAGGGTTCACTCTCTGCAATAAGAAATTTTACAAAGA	2059

RESULT 3
 US-09-679-426-690
 ; Sequence 690, Application US/09679426
 ; Patent No. 6759515
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: Harlocker, Susan L.
 ; APPLICANT: Jiang, Yuqi
 ; APPLICANT: Henderson, Robert A.
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Fanger, Gary R.
 ; APPLICANT: Retter, Marc W.
 ; APPLICANT: Stolk, John A.
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 ; APPLICANT: Vedwick, Thomas S.
 ; APPLICANT: Carter, Darrick
 ; APPLICANT: Li, Samuel
 ; APPLICANT: Wang, Aijun
 ; APPLICANT: Skeiky, Yasir A.W.
 ; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C20
; CURRENT APPLICATION NUMBER: US/09/679,426
; CURRENT FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 895
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-679-426-690

Query Match 94.7%; Score 1772.4; DB 4; Length 3923;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1770; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 94 CAGAGCTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAA 153
DB 281 CAGGGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAA 340
QY 154 ATGGAGATTAATAACATCACTAGAAAACAGCAAGATGACAAATAAATGCTCTAAGTAGTGAC 213
DB 341 ATGGAGATTAATAACATCACTAGAAAACAGCAAGATGACAAATAAATGCTCTAAGTAGTGAC 400
QY 214 ATGTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAACAAAGGAA 273
DB 401 ATGTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAACAAAGGAA 460
QY 274 GCACAGATCCCTGGGAGAAATGCCGGCGGCATCTTGGGTATCGATGAGCCTCGCC 333
DB 461 GCACAGATCCCTGGGAGAAATGCCGGCGGCATCTTGGGTATCGATGAGCCTCGCC 520
QY 334 CTGTGCTGCTCCGCTGTGAGGGAAGGACATTTAGAAAATGAATGTGTTCTCTAA 393
DB 521 CTGTGCTGCTCCGCTGTGAGGGAAGGACATTTAGAAAATGAATGTGTTCTCTAA 580
QY 394 AGGATGGGAGGAAAAACAGATCCTGTGTGGATATTTTGAACGGGATTAACAGATTG 453
DB 581 AGGATGGGAGGAAAAACAGATCCTGTGTGGATATTTTGAACGGGATTAACAGATTG 640
QY 454 AATTAAGTCAACAAGTGAGCATTCACCAATGAGGAAAAACAGCAGCAAAATCTTGATG 513
DB 641 AATTAAGTCAACAAGTGAGCATTCACCAATGAGGAAAAACAGCAGCAAAATCTTGATG 700
QY 514 GCTTCAACAAGATGCAACAAACAAATGGAATCTGTGATGACATGAGGCAAGCAAGCT 573
DB 701 GCTTCAACAAGATGCAACAAACAAATGGAATCTGTGATGACATGAGGCAAGCAAGCT 760
QY 574 GGGGAGGAGATAACCAACGGGCGAGGGTCAGGATTTCTGGCCCTGCTGCTAAACTGTGC 633
DB 761 GGGGAGGAGATAACCAACGGGCGAGGGTCAGGATTTCTGGCCCTGCTGCTAAACTGTGC 820
QY 634 GTTCATAACCAATCAATTTTATATTTCTAACCCCTCAAAACAAAGCTGTGTGTAATCTGA 693
DB 821 GTTCATAACCAATCAATTTTATATTTCTAACCCCTCAAAACAAAGCTGTGTGTAATCTGA 880
QY 694 TCTCTACGGTCTCTCTGGGCCCAACATTTCTCCATATATCCAGCCACACATCAATTTTAA 753
DB 881 TCTCTACGGTCTCTCTGGGCCCAACATTTCTCCATATATCCAGCCACACATCAATTTTAA 940
QY 754 ATTTAGTTCACAGATCTGATGTGACCTTTTCTACACTGTAGAATAAATTAATCAATTTT 813
DB 941 ATTTAGTTCACAGATCTGATGTGACCTTTTCTACACTGTAGAATAAATTAATCAATTTT 1000
QY 814 GTTCAAGACCCCTTCTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 873
DB 1001 GTTCAAGACCCCTTCTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1060
QY 874 TCTGGCCCCAGGGGATCTGTGAACAGAGCTGGGAGGATCTCAAGATCTTTCCAGGGTTATA 933
DB 1061 TCTGGCCCCAGGGGATCTGTGAACAGAGCTGGGAGGATCTCAAGATCTTTCCAGGGTTATA 1120

QY 934 CTTACTAGCACACAGCATGATCATTTACGAGTGAAATATCTAATCAACATCATCTCTCAGT 993
DB 1121 CTTACTAGCACACAGCATGATCATTTACGAGTGAAATATCTAATCAACATCATCTCTCAGT 1180
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DB 1181 GTCTTTGCCCATCTAGAAATTCATTTCCACATTTTGTGCCCATTTCTCAGAGCCTCAAAAT 1240
QY 1054 GTCAATTCATTAATATACAGGATTAATCTTTTAACTGGAAGAAATTCATTAATGTTA 1113
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QY 1114 CATGAGCTATGGGAAATTAATTAATATTTTCCAGTCCAGGCAAGATGATCAAGTCC 1173
DB 1301 CATGAGCTATGGGAAATTAATTAATATTTTCCAGTCCAGGCAAGATGATCAAGTCC 1360
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DB 1361 TTTATCCCTCCCTTTGTTGATTTTCCAGTATAAAGTTAAAGTCTTAGCCTTGT 1420
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DB 1421 ACTGAGGCTGTATACAGCACAGCCCTCTCCCATCCCTCCAGCCTTATCTGTCAATCACCAT 1480
QY 1294 CAACCCCTCCCATNYACCTAAACAAAATCTAACTTGTAAATTCCTTGAACATGTCAAGNC 1353
DB 1481 CAACCCCTCCCATACACACCTAAACAAAATCTAACTTGTAAATTCCTTGAACATGTCAAGNC 1540
QY 1354 ATACATTTTCTTCTGCTGAGAGGCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1413
DB 1541 ATACATTTTCTTCTGCTGAGAGGCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1600
QY 1414 AGTTTGAATTAAGTTGACTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1473
DB 1601 AGTTTGAATTAAGTTGACTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1660
QY 1474 ATCATGAGACAGCAAAATCTAAAGTGTAATTTGATTAAGAGTTTGTAGATAAATA 1533
DB 1661 ATCATGAGACAGCAAAATCTAAAGTGTAATTTGATTAAGAGTTTGTAGATAAATA 1720
QY 1534 TGAATGCAAGKCCACAGAGGGAATTTTATGGGCAAGTTTGTAAAGCCTGGGATGTA 1593
DB 1721 TGAATGCAAGKCCACAGAGGGAATTTTATGGGCAAGTTTGTAAAGCCTGGGATGTA 1780
QY 1594 AGMAAGGACGAGGAACCTCATAGTATCTTATATAATATACTTCTTCTTCTTCTTCTTCTTCT 1653
DB 1781 AGMAAGGACGAGGAACCTCATAGTATCTTATATAATATACTTCTTCTTCTTCTTCTTCTTCT 1840
QY 1654 ACAATATCCAAACAGCTTTTTCACAGAAATTCATGAGTGCAAAATCCCAAGGTAACCTTT 1713
DB 1841 ACAATATCCAAACAGCTTTTTCACAGAAATTCATGAGTGCAAAATCCCAAGGTAACCTTT 1900
QY 1714 ATCCATTTTCATGTCAGTGCGCTTTTAGAATTTTTCGCAATCATCTGCTCACTTATCTCA 1773
DB 1901 ATCCATTTTCATGTCAGTGCGCTTTTAGAATTTTTCGCAATCATCTGCTCACTTATCTCA 1960
QY 1774 ACTTTGAGATGTGTTGTCCTTGTAGTTAAATGAAAGAAATAGGGCACTCTTTGTGAGCCA 1833
DB 1961 ACTTTGAGATGTGTTGTCCTTGTAGTTAAATGAAAGAAATAGGGCACTCTTTGTGAGCCA 2020
QY 1834 CTTTAGGGTTCACTCTCGGCAATTAAGAAATTAACAAGA 1872
DB 2021 CTTTAGGGTTCACTCTCGGCAATTAAGAAATTAACAAGA 2059

RESULT 4
US-09-759-143-690
; Sequence 690, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.

```

; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-759-143-690

Query Match          94.7%; Score 1772.4; DB 4; Length 3923;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1770; Conservative      5; Mismatches 4; Indels 0; Gaps 0;

QY 94 CAGAGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAA 153
DB 281 CAGGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAA 340
QY 154 ATGGAGATATTAACATCACTAGAAACAGACAGATGACATATAATGCTTAAGTAGTAC 213
DB 341 ATGGAGATATTAACATCACTAGAAACAGACAGATGACATATAATGCTTAAGTAGTAC 400
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DB 401 ATGTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGAGGAGCAAAAAAGGAA 460
QY 274 GCACAGATCCCTGGAGAAATGCCGGCGGCATCTGGGTATCGATGAGCCTCGCC 333
DB 461 GCACAGATCCCTGGAGAAATGCCGGCGGCATCTGGGTATCGATGAGCCTCGCC 520
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DB 521 CTGTGCTGTCCCGCTTGTGAGGAGGACATTTAGAAATGAATGATGCTGTTCTTAA 580
QY 394 AGGATGGCAGGAAAAACAGATCCTGTTGTGGATATTTATTTGAAACGGGATTTACAGATTG 453
DB 581 AGGATGGCAGGAAAAACAGATCCTGTTGTGGATATTTATTTGAAACGGGATTTACAGATTG 640
QY 454 AATGAAGTCAAAAGTGACATTAACATGAGAGGAAAAACAGACAGAAAAATCTTGATG 513
DB 641 AATGAAGTCAAAAGTGACATTAACATGAGAGGAAAAACAGACAGAAAAATCTTGATG 700
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DB 761 GGGAGGAGATAACCCAGGGGAGAGGGTCAAGATTCTGGCCCTGCTGCTAAACTGTGC 820
QY 634 GTTCAATACCAATATTTCAATTTCTTAACCCCTCAAAAACAAAGCTGTTGTAATATCTGA 693
DB 821 GTTCAATACCAATATTTCAATTTCTTAACCCCTCAAAAACAAAGCTGTTGTAATATCTGA 880
QY 694 TCTCTACGGTCTCTTGGGCCCCAACATTTCCATATATCCAGCCACATCTTTTAAAT 753
DB 941 TCTCTACGGTCTCTTGGGCCCCAACATTTCCATATATCCAGCCACATCTTTTAAAT 940
QY 754 ATTTAGTTCCAGATCTGTACTGTGACCTTTCTACATGTAGATAAACAATTTACTCATTTT 813
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QY 874 TCTGGCCACAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTTCCAGGGTTATA 933
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DB 1181 GTCTTTGCCCTACTGAAATTCATTTCCACATTTTGTGCCCATTTCTCAAGACTCAAAAT 1240
QY 1054 GTCAATTCATTAATATACAGGATTAACATTTTAACTGGAAGAAATCAATGTATA 1113
DB 1241 GTCAATTCATTAATATACAGGATTAACATTTTAACTGGAAGAAATCAATGTATA 1300
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DB 1301 CATGAGCTATGGGAATTTAATTAATATTTTCCAGTGCAAGATGACTAAGTCC 1360
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QY 1294 CAACCCCTCCCATNYSACATAAACAATACTAACTTTGTAATTTCTTGAACTGTCAGGNC 1353
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DB 1661 ATCAATGAGACAGCAAAATCTAAAGTGAATTTGATTTAAGAGTTTAGATAATAATA 1720
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DB 1721 TGAATGCAAGKCCACAGAGGATTTTATGGGGCAGCTTTGTAAGCCTGGGATGGA 1780
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DB 1841 ACAATATCCAAAGCTTTTCAAGAAATCTAGAGTGAATTTGCAAAATCCCCAAAGTAACTTTT 1900
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DB 1901 ATCCATTTTATGCTGAGTGGCTTTAGAAATTTTGGCAATCATATCTGTCTATCTATCA 1960
QY 1774 ACTTTTGAGATGTTTGTCTTGTAGTTAAATTTGAAGAAATAGGGACCTCTTTGTGAGCCA 1833
DB 1961 ACTTTTGAGATGTTTGTCTTGTAGTTAAATTTGAAGAAATAGGGACCTCTTTGTGAGCCA 2020
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QY	1834	CTTTAGGTTTCACTCTCTGGCAATAAAGAAATTTACAAAGA	1872
Db	2021	CTTTAGGTTTCACTCTCTGGCAATAAAGAAATTTACAAAGA	2059
RESULT 5			
US-09-651-236-690			
; Sequence 690, Application US/09651236			
; Patent No. 6818751			
; GENERAL INFORMATION:			
; APPLICANT: Xu, Jiangchun			
; APPLICANT: Dillon, Davin C.			
; APPLICANT: Mitcham, Jennifer L.			
; APPLICANT: Harlocker, Susan L.			
; APPLICANT: Jiang, Yuqui			
; APPLICANT: Henderson, Robert A.			
; APPLICANT: Kalos, Michael D.			
; APPLICANT: Fanger, Gary R.			
; APPLICANT: Retter, Marc W.			
; APPLICANT: Stolk, John A.			
; APPLICANT: Day, Craig H.			
; APPLICANT: Vedvick, Thomas S.			
; APPLICANT: Carter, Darrick			
; APPLICANT: Li, Samuel			
; APPLICANT: Wang, Aijun			
; APPLICANT: Skeiky, Yasir A.W.			
; APPLICANT: Hepler, William			
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND			
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER			
; FILE REFERENCE: 210121.42718C18			
; CURRENT APPLICATION NUMBER: US/09/651,236			
; CURRENT FILING DATE: 2000-08-29			
; NUMBER OF SEQ ID NOS: 865			
; SOFTWARE: FastSeq for Windows Version 3.0			
; SEQ ID NO 690			
; LENGTH: 3923			
; TYPE: DNA			
; ORGANISM: Homo sapien			
US-09-651-236-690			
Query Match 94.7%; Score 1772.4; DB 4; Length 3923;			
Best Local Similarity 99.5%; Pred. No. 0;			
Matches 1770; Conservative 5; Mismatches 4; Indels 0; Gaps 0;			
QY	94	CAGAGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAA	153
Db	281	CAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAA	340
QY	154	ATGGAGATAATTAAACATCACTAGAAACAGCAAGATGACAATATAATGTTCTAAGTAGTGAC	213
Db	341	ATGGAGATAATTAAACATCACTAGAAACAGCAAGATGACAATATAATGTTCTAAGTAGTGAC	400
QY	214	ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGCAAGAACACAAAGGAA	273
Db	401	ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGCAAGAACACAAAGGAA	460
QY	274	GCACAGAGATCCCTGGGAGAAATGCCCGCCGCTCTTTGGGTTCATCGATGAGCCCTCGCC	333
Db	461	GCACAGAGATCCCTGGGAGAAATGCCCGCCGCTCTTTGGGTTCATCGATGAGCCCTCGCC	520
QY	334	CTGTGCTCGTCCCGCTTGTGAGGGAAGGACATTAGAAAATGAATGTGTTCTTTAA	393
Db	521	CTGTGCTCGTCCCGCTTGTGAGGGAAGGACATTAGAAAATGAATGTGTTCTTTAA	580
QY	394	AGGATGGGAGGAAACACATCTGTGTTGGATATTTTAAACCGGATTACAGATTG	453
Db	581	AGGATGGGAGGAAACACATCTGTGTTGGATATTTTAAACCGGATTACAGATTG	640
QY	454	AAATGAAGTCACAAAGTGAACATTACCAATGAGAGGAAACACAGCAAGAAATCTTTGATG	513
Db	641	AAATGAAGTCACAAAGTGAACATTACCAATGAGAGGAAACACAGCAAGAAATCTTTGATG	700

QY	514	GCTTCAAGAATGCAACAAACAAATGGAATACTGTGATGACATGAGGCGCAAGCT	573
Db	701	GCTTCAAGAATGCAACAAACAAATGGAATACTGTGATGACATGAGGCGCAAGCT	760
QY	574	GGGAGGAGATAACACCGGGCAGAGGTCAGGATTTCTGGCCCTGCTGCCTTAACTGTGC	633
Db	761	GGGAGGAGATAACACCGGGCAGAGGTCAGGATTTCTGGCCCTGCTGCCTTAACTGTGC	820
QY	634	GTTTCAATAACCAATCATTTTCAATTTCTAACCTCAAACAAAGCTGTTGTAATATCTGA	693
Db	821	GTTTCAATAACCAATCATTTTCAATTTCTAACCTCAAACAAAGCTGTTGTAATATCTGA	880
QY	694	TCTCTACGGTTCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTTAAT	753
Db	881	TCTCTACGGTTCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTTAAT	940
QY	754	ATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTTACTCATTTT	813
Db	941	ATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTTACTCATTTT	1000
QY	814	GTTCAAAGACCTTCTGCTGCTGCTAAATGTAGCTGACTGTTTCTTAAAGAGTGT	873
Db	1001	GTTCAAAGACCTTCTGCTGCTGCTAAATGTAGCTGACTGTTTCTTAAAGAGTGT	1060
QY	874	TCTGGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTTCCAGGGTTATA	933
Db	1061	TCTGGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTTCCAGGGTTATA	1120
QY	934	CTTACTAGCACACAGCATGATCATTTACGGAGTGAATTTCTAATCAACATCATCTCAGT	993
Db	1121	CTTACTAGCACACAGCATGATCATTTACGGAGTGAATTTCTAATCAACATCATCTCAGT	1180
QY	994	GTCTTTGCCCATCTGAAATTCATTTCCACCTTTTGTGCCCATCTCAAGACCTCAAAAT	1053
Db	1181	GTCTTTGCCCATCTGAAATTCATTTCCACCTTTTGTGCCCATCTCAAGACCTCAAAAT	1240
QY	1054	GTCAATTCATTAATACAGAGATTAACCTTTTTTTTTTAACTCGGAAGAAATCAATGTTA	1113
Db	1241	GTCAATTCATTAATACAGAGATTAACCTTTTTTTTTTAACTCGGAAGAAATCAATGTTA	1300
QY	1114	CATGAGCTATGGGAATTTAATACATATTTTGTTCAGTGCAAGATGACTAAGTCC	1173
Db	1301	CATGAGCTATGGGAATTTAATACATATTTTGTTCAGTGCAAGATGACTAAGTCC	1360
QY	1174	TTTATCCCTCCCTTTTGTGATTTTTCAGTATAAAGTTAAATAGCTTAGCTTGT	1233
Db	1361	TTTATCCCTCCCTTTTGTGATTTTTCAGTATAAAGTTAAATAGCTTAGCTTGT	1420
QY	1234	ACTGAGGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCCTTATCTGTCAATCACCAT	1293
Db	1421	ACTGAGGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCCTTATCTGTCAATCACCAT	1480
QY	1294	CAACCCCTCCCATNYACCTAAACAAATCTAACTTGTAAATTCCTTGAACATGTCAGGNC	1353
Db	1481	CAACCCCTCCCATNYACCTAAACAAATCTAACTTGTAAATTCCTTGAACATGTCAGGNC	1540
QY	1354	ATACATTTTCTTCTGCTGAGAGCTCTTCTTGTCTCTTAANTCTAGAATGATGAA	1413
Db	1541	ATACATTTTCTTCTGCTGAGAGCTCTTCTTGTCTCTTAANTCTAGAATGATGAA	1600
QY	1414	AGTTTGAATTAAGTTGACTATCTTACTTTCATGCAAGGAGGACACATATGAGATTCATC	1473
Db	1601	AGTTTGAATTAAGTTGACTATCTTACTTTCATGCAAGGAGGACACATATGAGATTCATC	1660
QY	1474	ATCATAGAGACAGCAAAATCTAAAGTGAATTTGATTATAAGAGTTTAGATAAATA	1533
Db	1661	ATCATAGAGACAGCAAAATCTAAAGTGAATTTGATTATAAGAGTTTAGATAAATA	1720
QY	1534	TGAATGCAAGACACAGAGGGAATGTTTATGGGGCAGTTTGTAAAGCCTGGGATGGA	1593
Db	1721	TGAATGCAAGACACAGAGGGAATGTTTATGGGGCAGTTTGTAAAGCCTGGGATGGA	1780
QY	1594	AGMAAGGAGGGAACCTCATAGTATCTTATATAATATACTTCTTCTATCTCTATC	1653


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Db 2685 ATCATCACATGACACAGCAAAATCTAAAAGTGTAATTTGATTATAAGAGTTTAGATAAAT 2744
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Db 2985 TCAACTTTGAGATGCTTTGCTCTGCTAGTAAATGAAAGAAATAGGGCACTCTTGTGAG 3044
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RESULT 7
US-09-352-616A-468
; Sequence 468, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-468

Query Match 92.9%; Score 1739.2; DB 3; Length 3112;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1771; Conservative 4; Mismatches 3; Indels 3; Gaps 3;

QY 92 TCAGAGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTG 151
Db 1307 TAAATAGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTG 1366
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QY 212 ACATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCACAAAAGG 271
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QY 272 AAGCAGAGATCCCTGGGAGAAATCCCGGGCGCCATCTTGGGTATCGATGAGCCTG 331
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QY 452 TGAATGAAGTCACAAAGTGAGCAATTTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTTGA 511
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Db 1727 TGGCTTCAACAGACATGCAACAAACAAAATGGAATCTGTGATGACATGAGGACGCCAAG 1786
QY 572 CTGGGGAGAGATAACACGCGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCTAAATCTGT 631
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QY 812 TTGTTCAAAGACCCCTTCTGTTGCTGCTTAATATATGTAGCTGACTGTTTTTCTTAAGGAGT 871
Db 2027 TTGTTCAAAGACCCCTTCTGTTGCTGCTTAATATATGTAGCTGACTGTTTTTCTTAAGGAGT 2086
QY 872 GTTCTGGCCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTTCCAGGGTTA 931
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2027 TTGTTCAAGACCCCTTCGTGTTCTGCTGCTAAATATGTAGTGAAGTCTTTTCTCCTAAGGACT 2086
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2447 GTACTCAGCTGTATACAGCAGCAGCTCTCCCATCCCTCCAGCCTTATCTGTATCATC 2506
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1291 CATCAACCCCTCCCATNYACCTAAACAAAATCTAACTTGTAAATTCCTTGAACATGTCAG 1350
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2507 CATCAACCCCTCCCATG-CACCTAAACAAAATCTAACTTGTAAATTCCTTGAACATGTCAG 2565
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1351 GNCATACATRTCTCTGCTGAGAGCTCTTCTGCTCTTAATCTTAAGATGATG 1410
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2566 G-CATACATATTTCTCTGCTGAGAGCTCTTCTGCTCTTAAATCTAAGATGATG 2624
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2625 TAAAGTTTGAATAGTTCATCTATCTTCTATGCAAGAGAGGACACATATGATGATTC 2684
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1531 ATATGAATGCAAGAKCCACAGAGGAATGTTATGGGCCAGCTTGTGAAGCCTGGATG 1590
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2745 ATATGAATGCAAGAGCCACAGAGGAATGTTATGGGCCAGCTTGTGAAGCCTGGATG 2804
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1591 TGAAGMAAGGAGGGAACCTCATAGTATCTTATATAATATATCTTCAATTTCTATCTCT 1650
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2985 TCAACTTTTTCAGATGTTTGTCTGCTGATGTAATTTGAAGAAATAGGGGACCTCTTGTGAG 3044
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1831 CCACTTTAGGTTTCACTCTCGCAATTAAGAAATTTTACAAGA 1872
Db
3045 CCACTTTAGGTTTCACTCTCGCAATTAAGAAATTTTACAAGA 3086
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RESULT 11

US-09-759-143-468
; Sequence 468, Application US/09759143
; Patent No. 6800746

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, David C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darriek
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-468

Query Match 92.9%; Score 1739.2; DB 4; Length 3112;

Best Local Similarity 99.4%; Pred. No. 0;

Matches 1771; Conservative 4; Mismatches 4; Indels 3; Gaps 3;

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QY 92 TACAGAGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTG 151
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QY 152 AAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATATAATGTCTTAAGTAGTG 211
Db 1367 AAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATATAATGTCTTAAGTAGTG 1426
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Db 1427 ACATGTTTTTCACATTTCCAGCCCTTTAAATATCCACACAGCAAGCAACAAAGG 1486
QY 272 AAGCACAGAGATCCCTGGGAGAAATGCCCGCCGCCATCTTTGGGTCAATCGATGAGCCTCG 331
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QY 452 TGAATGAAGTCACAAAGTGAAGTATACCAATGAGAGGAAACAGACAGAGAAATCTTTGA 511
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Db 2327 TACATGACATATGGAATTTAATATACATATTTTGTGTTTCCAGTCAAGATGACTAAGT 2386
QY 1172 CTTTATCCCTCCCTTTGTTGATTTTTCAGTATAAAAGTTAAATGTTTACGCTT 1231
Db 2387 CTTTATCCCTCCCTTTGTTGATTTTTCAGTATAAAAGTTAAATGTTTACGCTT 2446
QY 1232 GTACTGAGCTGTATACAG- CACAGGCTCTCCCATCCCTCCAGCTTATCTGTATCATC 1290
Db 2447 GTACTGAGCTGTATACAGCCAAGCTCTCCCATCCCTCCAGCTTATCTGTATCATC 2506
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Db 2566 G-CATACATTTCTCTGCTGCTGAGAGCTCTTCTGCTCTCTTAANTCTAGAATGATG 2624
QY 1411 TAAAGTTTGAATAGTTGACTATCTTCTCATGCAAGAGGACACATATGATGATC 1470
Db 2625 TAAAGTTTGAATAGTTGACTATCTTCTCATGCAAGAGGACACATATGATGATC 2684
QY 1471 ATCATCAGATGAGACAGCAAAATCTAAAGTGTAAATTTGATTTAAGAGTTTGAATAAT 1530
Db 2685 ATCATCAGATGAGACAGCAAAATCTAAAGTGTAAATTTGATTTAAGAGTTTGAATAAT 2744
QY 1531 ATATGAAATGCAAGAKCCAAGAGGGAATGTTTATGGGGCAGCTTTGTAAGCCTGGGATG 1590
Db 2745 ATATGAAATGCAAGAGCCACACAGGGAATGTTTATGGGGCAGCTTTGTAAGCCTGGGATG 2804
QY 1591 TGAAGMAAGGAGGGAACCTCATATGATCTATATATATATATCTTCTATCTCT 1650
Db 2805 TGAAGMAAGGAGGGAACCTCATATGATCTATATATATATATCTTCTATCTCT 2864
QY 1651 ATCAAAATCAACAGCTTTTCAAGAAATCTACAGAAATCTACAGTGCBAATCCCAAGGTACC 1710
Db 2865 ATCAAAATCAACAGCTTTTCAAGAAATCTACAGAAATCTACAGTGCBAATCCCAAGGTACC 2924

QY 1711 TTATTCATTTTCAGGTGAGTGGCTTTAGAAATTTTGCAAAATCATATCTGTCACCTATC 1770
Db 2925 TTATTCATTTTCAGGTGAGTGGCTTTAGAAATTTTGCAAAATCATATCTGTCACCTATC 2984
QY 1771 TCACTTTTGAATGTTTGTCTTGTAGTTAAATTTGAAGAAATAGGCGACCTCTGTGAG 1830
Db 2985 TCACTTTTGAATGTTTGTCTTGTAGTTAAATTTGAAGAAATAGGCGACCTCTGTGAG 3044
QY 1831 CCACTTTAGGGTTCACCTCTGCAATAAAAGAAATTTACAAAGA 1872
Db 3045 CCACTTTAGGGTTCACCTCTGCAATAAAAGAAATTTACAAAGA 3086

RESULT 12
US-09-651-236-468
; Sequence 468, Application US/09651236
; Patent No. 6818751
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, David C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darriek
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651.236
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-651-236-468

Query Match 92.9%; Score 1739.2; DB 4; Length 3112;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1771; Conservative 4; Mismatches 4; Indels 3; Gaps 3;

QY 92 TACAGAGTGAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTG 151
Db 1307 TAAATAGTGAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTG 1366
QY 152 AAATGGAGATAATTAACATCACTAGAAAACAGCAAGATGACAAATATAATGTCTAAAGTAGTG 211
Db 1367 AAATGGAGATAATTAACATCACTAGAAAACAGCAAGATGACAAATATAATGTCTAAAGTAGTG 1426
QY 212 ACATGTTTTTCACATTTCCAGCCCTTTTAAATATCCACACAGCAAGAACACAAAAGG 271
Db 1427 ACATGTTTTTCACATTTCCAGCCCTTTTAAATATCCACACAGCAAGAACACAAAAGG 1486
QY 272 AAGCACAGAGATCCCTGGGAGAAATCCCGCGCCCATCTTGGGTTCATGATGACCTCG 331
Db 1487 AAGCACAGAGATCCCTGGGAGAAATCCCGCGCCCATCTTGGGTTCATGATGACCTCG 1546
QY 332 CCCTGTGCTGCTCCCGCTTGTGAGGGAAGGACATTTAGAAAATGAATTTGATGTCTTCTT 391
Db 1547 CCCTGTGCTGCTCCCGCTTGTGAGGGAAGGACATTTAGAAAATGAATTTGATGTCTTCTT 1606
QY 392 AAAGATGGGAGGAAAAACAGATCTCTGTTGTGATATTTATTTTGAACGGGATTCAGATT 451

Db 1607 ||||| 1666
Qy 452 TGAATGAAAGTCAAAAAGTGACATTTACCAATGAGAGGAAAACAGACGAGAAAATCTTGA 511
Db 1667 TGAATGAAAGTCAAAAAGTGACATTTACCAATGAGAGGAAAACAGACGAGAAAATCTTGA 1726
Qy 512 TGGCTTCAAGACATGCAACAAACAAAATGGAATCTGTGTGATGACATGAGGACGCCAAG 571
Db 1727 TGGCTTCAAGACATGCAACAAACAAAATGGAATCTGTGTGATGACATGAGGACGCCAAG 1786
Qy 572 CTGGGGAGAGATACCCAGGGGACAGAGGTGAGGATCTGCGCCCTGCTGCGCTAACTGT 631
Db 1787 CTGGGGAGAGATACCCAGGGGACAGAGGTGAGGATCTGCGCCCTGCTGCGCTAACTGT 1846
Qy 632 GGGTTCAATAACCAAAATCATTTCTAATCTTCTAACCTCAAAACAAAAGCTGTTGTAATATCT 691
Db 1847 GGGTTCAATAACCAAAATCATTTCTAATCTTCTAACCTCAAAACAAAAGCTGTTGTAATATCT 1906
Qy 692 GATCTCTAGGTTCTCTGGGCCCAACAACTCTCCATATATCCAGGCCACACTCATTTTGA 751
Db 1907 GATCTCTAGGTTCTCTGGGCCCAACAACTCTCCATATATCCAGGCCACACTCATTTTGA 1966
Qy 752 ATATTAGTCCAGATCTGACTGTGACCTTTTACACTGTAGAAATTAACATTAATCTCAAT 811
Db 1967 ATATTAGTCCAGATCTGACTGTGACCTTTTACACTGTAGAAATTAACATTAATCTCAAT 2026
Qy 812 TTGTTTCAAAAGACCTTCTGTTGCTGCTTAATATATGCTAGCTGCTGTTTCTTAAGGAGT 871
Db 2027 TTGTTTCAAAAGACCTTCTGTTGCTGCTTAATATATGCTAGCTGCTGTTTCTTAAGGAGT 2086
Qy 872 GTTCTGGCCAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTA 931
Db 2087 GTTCTGGCCAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTA 2146
Qy 932 TACTTACTAGCACAGCATGATCAATTAAGGAGTGAATTAATCAATCAATCACTCTCA 991
Db 2147 TACTTACTAGCACAGCATGATCAATTAAGGAGTGAATTAATCAATCAATCACTCTCA 2206
Qy 992 GTGTCCTTTGCCCATACTGAAATTCATTTTCCCACTTTTGTGCCATCTCAAGACCTCAAA 1051
Db 2207 GTGTCCTTTGCCCATACTGAAATTCATTTTCCCACTTTTGTGCCATCTCAAGACCTCAAA 2266
Qy 1052 ATGTCATTCATTAATATACAGGAATTAATTTTTTTTTTAACTGGGAAGAAATCAATGT 1111
Db 2267 ATGTCATTCATTAATATACAGGAATTAATTTTTTTTTTAACTGGGAAGAAATCAATGT 2326
Qy 1112 TACATGCAGCTATGGGAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1171
Db 2327 TACATGCAGCTATGGGAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 2386
Qy 1172 CCTTTATCCCTCCCTTTGTTGATTTTTTCCAGTATAAAGTTAAATGCTTAGCCCTT 1231
Db 2387 CCTTTATCCCTCCCTTTGTTGATTTTTTCCAGTATAAAGTTAAATGCTTAGCCCTT 2446
Qy 1232 GTACTGAGGCTGTATACAG-CACAGCCTCTCCCATCCCTCCAGCCTTATCTGTCAATCAC 1290
Db 2447 GTACTGAGGCTGTATACAGCAGCAGCCTCTCCCATCCCTCCAGCCTTATCTGTCAATCAC 2506
Qy 1291 CATCAACCCCTCCCATNYSACCTAAACAAAATCTAACTGTAATTCCTTGAACATGTGAG 1350
Db 2507 CATCAACCCCTCCCATG-CACCTAAACAAAATCTAACTGTAATTCCTTGAACATGTGAG 2565
Qy 1351 GNCATACATTTCTCTGCTGAGAGAGCTCTTCTTGTCTCTTAATCTAGAAATGATG 1410
Db 2566 G-CATACATTAATCTCTGCTGAGAGAGCTCTTCTTGTCTCTTAATCTAGAAATGATG 2624
Qy 1411 TAAAGTTTGAATAAGTTGACTATCTTACTTCATGCAAGAGGAGGACACATATGAGATTC 1470
Db 2625 TAAAGTTTGAATAAGTTGACTATCTTACTTCATGCAAGAGGAGGACACATATGAGATTC 2684
Qy 1471 ATCATCACATGAGACAGCAATAACTAAAGTGAATTTGATTTATAGAGTTTAGATAAAT 1530

Db 2685 ATCATCATGAGACAGCAAAATCTAAAGTGTAATTTGATTATAAGAGTTTAGATAAAT 2744
Qy 1531 ATATGAAATGCAAGACACAGAGGGAATGTTTATGGGCGCACGTTTGTAAAGCCTCGGATG 1590
Db 2745 ATATGAAATGCAAGACACAGAGGGAATGTTTATGGGCGCACGTTTGTAAAGCCTCGGATG 2804
Qy 1591 TGAAGMAAGCAGGGAACCTCATAGTATCTTATATAATATATCTTCAATTTCTCTATCTCT 1650
Db 2805 TGAAGMAAGCAGGGAACCTCATAGTATCTTATATAATATATCTTCAATTTCTCTATCTCT 2864
Qy 1651 ATCACAATATCAACAAGCTTTTTCACAGAAATTCATGCAATGCCAATCCCAAGGTAACC 1710
Db 2865 ATCACAATATCAACAAGCTTTTTCACAGAAATTCATGCAATGCCAATCCCAAGGTAACC 2924
Qy 1711 TTTATCCATTTTCATGTTGAGTGGCTTTAGAAATTTGGCAATTCATCTGGTCACTTATC 1770
Db 2925 TTTATCCATTTTCATGTTGAGTGGCTTTAGAAATTTGGCAATTCATCTGGTCACTTATC 2984
Qy 1771 TCAACTTTGAGATGTTTGTCTTGTAGTTAAATTTGAAAGAAATAGGGCACTCTTGTGAG 1830
Db 2985 TCAACTTTGAGATGTTTGTCTTGTAGTTAAATTTGAAAGAAATAGGGCACTCTTGTGAG 3044
Qy 1831 CCACCTTAGGTTCACTCTCGCAATAAAGAAATTTTACAAGA 1872
Db 3045 CCACCTTAGGTTCACTCTCGCAATAAAGAAATTTTACAAGA 3086

RESULT 13
US-09-439-313-470/c
; Sequence 470, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-470

Query Match 92.6%; Score 1734; DB 3; Length 2426;
Best Local Similarity 98.4%; Pred. No. 0;
Matches 1776; Conservative 4; Mismatches 21; Indels 3; Gaps 3;

Qy 65 ATCTGCAATGTTGGGAAGACCTGATGATACAGAGGTGAGAAATAGAAAGGCTGTGACT 124
Db 1802 ATTTGTCTCCCTCAATGGTCGTATGATTTCCAGGTGAGAAATAGAAAGGCTGTGACT 1743
Qy 125 TTACCATCTGAGGCGACACATCTCTGAAATGGAGATAATTAACATCACTAGAAACAGCA 184
Db 1742 TTACCATCTGAGGCGACACATCTCTGAAATGGAGATAATTAACATCACTAGAAACAGCA 1683
Qy 185 AGATGACAAATAATGCTAAAGTAGTGACATGTTTTTGTGACATTTCCAGCCCCCTTTAAAT 244
Db 1682 AGATGACAAATAATGCTAAAGTAGTGACATGTTTTTGTGACATTTCCAGCCCCCTTTAAAT 1623
Qy 245 ATCCACACACAGCAAGAACCAAAAGGACAGAGATCCCTGGGAGAAATGCCCGGCC 304

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Db 1622 ATCCACACACAGGAAGCAGAAAGGAGCAGAGATCCCTGGGAGAAATGCCCGGCC 1563
QY 305 GCCATCTTGGGTGATCGATGAGCCTCGCCCTGTGCCTGGTCCCGCTTGTGAGGGAAGGAC 364
Db 1562 GCCATCTTGGGTGATCGATGAGCCTCGCCCTGTGCCTGGTCCCGCTTGTGAGGGAAGGAC 1503
QY 365 ATTAGAAATGAATTGATGTGTTCTTTAAAGGATGGGCGAGGAAAACAGATCTGTTGTGG 424
Db 1502 ATTAGAAATGAATTGATGTGTTCTTTAAAGGATGGGCGAGGAAAACAGATCTGTTGTGG 1443
QY 425 ATATTTATTTGAACGGGATTTACAGATTTGAAATGAAATGAAATGAAATGAAATGAAATG 484
Db 1442 ATATTTATTTGAACGGGATTTACAGATTTGAAATGAAATGAAATGAAATGAAATGAAATG 1383
QY 485 AGAGGAAAAACAGACGAGAAAAATCTTGATGGCTTCAAGACATGCAACAAACAAATGGA 544
Db 1382 AGAGGAAAAACAGACGAGAAAAATCTTGATGGCTTCAAGACATGCAACAAACAAATGGA 1323
QY 545 ATACTGTGATGACATGAGGAGCAAGCTGGGGAGGAGATAACACGGGGCGAGAGGTCA 604
Db 1322 ATACTGTGATGACATGAGGAGCAAGCTGGGGAGGAGATAACACGGGGCGAGAGGTCA 1263
QY 605 GGATTTGGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 664
Db 1262 GGATTTGGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1203
QY 665 CCTCAAAAACAAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 724
Db 1202 CCTCAAAAACAAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1143
QY 725 CCATATATCCAGGCACACTCAATTTTAAATTTAGTTTCCAGATCTGTAAGTCTGACCTTT 784
Db 1142 CCATATATCCAGGCACACTCAATTTTAAATTTAGTTTCCAGATCTGTAAGTCTGACCTTT 1083
QY 785 CTACACTGTAGATTAACATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 844
Db 1082 CTACACTGTAGATTAACATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1023
QY 845 TGTAGTGAAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 904
Db 1022 TGTAGTGAAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 963
QY 905 AAGCATCTCAAGATCTTCCAGGTTATATCTACTAGCACACAGCATGATCATTTACGGAG 964
Db 962 AAGCATCTCAAGATCTTCCAGGTTATATCTACTAGCACACAGCATGATCATTTACGGAG 903
QY 965 TGAATTTATTAATCAACATCTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1024
Db 902 TGAATTTATTAATCAACATCTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 843
QY 1025 TTTTGTGCCCATTCTCAAGACCTCAAAATGTCATTTCCATTAATATACAGGATTAACCTTT 1084
Db 842 TTTTGTGCCCATTCTCAAGACCTCAAAATGTCATTTCCATTAATATACAGGATTAACCTTT 783
QY 1085 TTTTGTAACTGGGAAGATTCAGTTTACATGCTAGCTAGGAAATTAATTAACATATTT 1144
Db 782 TTTTGTAACTGGGAAGATTCAGTTTACATGCTAGCTAGGAAATTAATTAACATATTT 723
QY 1145 TGTTTTCCAGTGCAGAGATGACTAGTCTTATCCCTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1204
Db 722 TGTTTTCCAGTGCAGAGATGACTAGTCTTATCCCTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 663
QY 1205 CAGTATAAAGTTAAATGCTTACGCTTGTACTGAGGCTGTATACAG-CACAGCTCTCC 1263
Db 662 CAGTATAAAGTTAAATGCTTACGCTTGTACTGAGGCTGTATACAGCCACAGCTCTCC 603
QY 1264 CATCCCTCAGGCTTATCTGTATCATCAACATCAACCCCTCCCATNYSACCTAAACAAATC 1323
Db 602 CATCCCTCAGGCTTATCTGTATCATCAACATCAACCCCTCCCATG-CACCTAAACAAATC 544
QY 1324 TAACTTGTAATTCCTTGAACATGTGAGNCATACATTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCT 1383
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QY 1564 ATGGGGCAGCTTTGTAAGCTGGGATGTGAAGMAAGGAGGAGAACTCTCATAGTATCTTAA 1623
Db 304 ATGGGGCAGCTTTGTAAGCTGGGATGTGAAGMAAGGAGGAGAACTCTCATAGTATCTTAA 245
QY 1624 TATAATATATCTATCTCTATCTATCATCAATATCCAAAGCTTTTTCACAGAAATTC 1683
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QY 1684 ATGCAGTGCATAATCCCAAGGTAACCTTTATCCATTTTCATGCTGAGTGCCTTTAGAAAT 1743
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QY 1744 TTTGGCAATCATACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1803
Db 124 TTTGGCAATCATACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 65
QY 1804 TTGAAGAATAAGGCACTCTTGAGCCACTTTAGGCTTCACTCTGCAATAAGAAAT 1863
Db 64 TTGAAGAATAAGGCACTCTTGAGCCACTTTAGGCTTCACTCTGCAATAAGAAAT 5
QY 1864 TTAC 1867
Db 4 TTAC 1
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RESULT 14

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US-09-352-616A-470/c
; Sequence 470, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yucui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A.
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-470
```

```
Query Match 92.6%; Score 1734; DB 3; Length 2426;
Best Local Similarity 98.4%; Pred. No. 0;
Matches 1776; Conservative 4; Mismatches 21; Indels 3; Gaps 3;
QY 65 ATCTGATGTTGGGAGGACCTGATGATACAGAGTGAGAAATAAGAAAGGCTGCTGACT 124
Db 1802 ATTTGCTCTCTCAATGCTGCTGATGATTTCCAGGTGAGAAATAAGAAAGGCTGCTGACT 1743
QY 125 TTACCATCTGAGGCCACACATCTGCTGAAATGGAGATTAATTAACATCACTAGAAACAGCA 184
Db 1742 TTACCATCTGAGGCCACACATCTGCTGAAATGGAGATTAATTAACATCACTAGAAACAGCA 1683
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QY 185 AGATGACATATAATGCTTAAGTAGTGACATGTTTTTGCACATTTCCAGCCCTTTAAAT 244
DB |||||
1682 AGATGACATATAATGCTTAAGTAGTGACATGTTTTTGCACATTTCCAGCCCTTTAAAT 1623
QY 245 ATCCACACACAGAGAGCAAAAAGGAAGCAAGAGATCCCTGGGAGAAATGCCCGGCC 304
DB |||||
1622 ATCCACACACAGAGAGCAAAAAGGAAGCAAGAGATCCCTGGGAGAAATGCCCGGCC 1563
QY 305 GCCATCTGGGTCATCGATGAGCCTCGCCCTGTGCTGGTCCGCTTGTGAGGGAGGAC 364
DB |||||
1562 GCCATCTGGGTCATCGATGAGCCTCGCCCTGTGCTGGTCCGCTTGTGAGGGAGGAC 1503
QY 365 ATTAGAAAATGAATTCATGTTCTTAAAGATGGGACAGAAAACAGATCCTGTTGTGG 424
DB |||||
1502 ATTAGAAAATGAATTCATGTTCTTAAAGATGGGACAGAAAACAGATCCTGTTGTGG 1443
QY 425 ATATTATTTGAACCGGATTAAGATTTGAAATGAAGTCAAAAGTGAGCATTAACAATG 484
DB |||||
1442 ATATTATTTGAACCGGATTAAGATTTGAAATGAAGTCAAAAGTGAGCATTAACAATG 1383
QY 485 AGAGGAAAACACAGAGAAAATCTTGATGGCTTCAAGACATGCAACAAAACAAATGGA 544
DB |||||
1382 AGAGGAAAACACAGAGAAAATCTTGATGGCTTCAAGACATGCAACAAAACAAATGGA 1323
QY 545 ATACTGTGATGACATGAGGCACCCCAAGCTGGGGAGGAGATAACCGGGGCAGAGGGTCA 604
DB |||||
1322 ATACTGTGATGACATGAGGCACCCCAAGCTGGGGAGGAGATAACCGGGGCAGAGGGTCA 1263
QY 605 GGAATCTGGCCCTGCTGCTTAACTGTGGGTCATTAACCAATCATTTTCATATTTCTAAC 664
DB |||||
1262 GGAATCTGGCCCTGCTGCTTAACTGTGGGTCATTAACCAATCATTTTCATATTTCTAAC 1203
QY 665 CCTCAAAAACAAAGCTGTTCTGATATCTGATCTCTAGGTTCTGCTGGGCCCAACATCT 724
DB |||||
1202 CCTCAAAAACAAAGCTGTTGTAATATCTGATCTCTAGGTTCTGCTGGGCCCAACATCT 1143
QY 725 CCATATATCCAGCCACACTCAITTTTTTAATTAATTAAGTTCACAGATCTGTACTGTGACCTTT 784
DB |||||
1142 CCATATATCCAGCCACACTCAITTTTTTAATTAATTAAGTTCACAGATCTGTACTGTGACCTTT 1083
QY 785 CTACATCTAGAAATAACATTAATCAITTTTGTTCAAAGACCCCTGCTGTGCTGCCTAATA 844
DB |||||
1082 CTACATCTAGAAATAACATTAATCAITTTTGTTCAAAGACCCCTGCTGTGCTGCCTAATA 1023
QY 845 TGTAGCTGACTGTTTTCCTAAGGAGTGTCTGGCCAGGGATCTGTGAACAGGCTGG 904
DB |||||
1022 TGTAGCTGACTGTTTTCCTAAGGAGTGTCTGGCCAGGGATCTGTGAACAGGCTGG 963
QY 905 AAGCATCTCAAGATCTTTCCAGGGTTATACCTTACTAGCACACAGCATGATCATACGGAG 964
DB |||||
962 AAGCATCTCAAGATCTTTCCAGGGTTATACCTTACTAGCACACAGCATGATCATACGGAG 903
QY 965 TGAATATCTAATCAACATCATCTCAGTGCTTTGGCCACTACTGAAATCATTTCCAC 1024
DB |||||
902 TGAATATCTAATCAACATCATCTCAGTGCTTTGGCCACTACTGAAATCATTTCCAC 843
QY 1025 TTTTGTGCCATCTCTCAAGACCTCAAAATGTCAITTCATTAATATACAGGATTAACCTTT 1084
DB |||||
842 TTTTGTGCCATCTCTCAAGACCTCAAAATGTCAITTCATTAATATACAGGATTAACCTTT 783
QY 1085 TTTTGTAAACCTGGAAGAAATCAATGTTTACATGCAAGTATGGAAATTTAATPACATATTT 1144
DB |||||
782 TTTTGTAAACCTGGAAGAAATCAATGTTTACATGCAAGTATGGAAATTTAATPACATATTT 723
QY 1145 TGTTCCTCAGTCAAGATGACTAGTCTTTATCCCTCCCTTTGTTTGTATTTTTTTC 1204
DB |||||
722 TGTTCCTCAGTCAAGATGACTAGTCTTTATCCCTCCCTTTGTTTGTATTTTTTTC 663
QY 1205 CAGTAAAGTTAAATGCTTAGGCTTGTACTGAGGCTGTATACAG-CACAGCCTCTCCC 1263
DB |||||
662 CAGTAAAGTTAAATGCTTAGGCTTGTACTGAGGCTGTATACAGCCACAGCCTCTCCC 603

QY 1264 CATCCCTCCAGCCTTATCTGTATCACCATCAACCCCTCCCATNYSACCTAAACAAAATC 1323
DB |||||
602 CATCCCTCCAGCCTTATCTGTATCACCATCAACCCCTCCCATG-CACCTAAACAAAATC 544
QY 1324 TAACCTGTAATCTCTTGAACATGTCAGGNCATACATTTTCTTCTGCTGAGAGCTCT 1383
DB |||||
543 TAACCTGTAATCTCTTGAACATGTCAGG-CATACATTAATCTCTGCTGAGAGCTCT 485
QY 1384 TCCTTGTCTCTTAANTCTAGAAATGATGTAAGTTTGAATAGTTGACTATCTTACTTCA 1443
DB |||||
484 TCCTTGTCTCTTAANTCTAGAAATGATGTAAGTTTGAATAGTTGACTATCTTACTTCA 425
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DB |||||
424 TGCAAGAGGAGACACATATGAGATTCATCATGAGAGCAGCAAAATACTTAAAGTGT 365
QY 1504 AATTGATTAAGAGTTTAGATAAATATATGAAATGCAAGKCCACAGAGGAAATGTTT 1563
DB |||||
364 AATTGATTAAGAGTTTAGATAAATATATGAAATGCAAGAGCCACAGAGGAAATGTTT 305
QY 1564 ATGGGGCACGTTTGTAAAGCTGGGATGTGAAGAAAGCAGGAACTCATAGTATCTTA 1623
DB |||||
304 ATGGGGCACGTTTGTAAAGCTGGGATGTGAAGAAAGCAGGAACTCATAGTATCTTA 245
QY 1624 TATAATATACTTCAITTTCTCTATCTATCAATATCAATATCCAAAGCTTTTTCACAGAAATC 1683
DB |||||
244 TATAATATACTTCAITTTCTCTATCTATCAATATCAATATCCAAAGCTTTTTCACAGAAATC 185
QY 1684 ATGAGTGCAATCCCAAGGTAACTTTTATCCATTTTCATGTTGAGTGGCTTTAGAAAT 1743
DB |||||
184 ATGAGTGCAATCCCAAGGTAACTTTTATCCATTTTCATGTTGAGTGGCTTTAGAAAT 125
QY 1744 TTTGGCAATCATCTGCTCACTTATCTCAACTTTTGAGATGTTTGTCTTGTAGTTAA 1803
DB |||||
124 TTTGGCAATCATCTGCTCACTTATCTCAACTTTTGAGATGTTTGTCTTGTAGTTAA 65
QY 1804 TTGAAAGAAATAGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTCGGCAATAAAGAAAT 1863
DB |||||
64 TTGAAAGAAATAGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTCGGCAATAAAGAAAT 5
QY 1864 TTAC 1867
DB |||||
4 TTAC 1

RESULT 15
US-09-636-215-470/c
; Sequence 470, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636.215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852


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; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-636-215-470

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Job time : 398.627 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 23, 2005, 11:36:42 ; Search time 2191.17 Seconds
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Perfect score: 1872

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Gapop 10.0 , Gapext 1.0

Searched: 7316285 seqs, 3248459403 residues

Total number of hits satisfying chosen parameters: 14632570

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

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Listing first 45 summaries

Database : Published Applications_NA.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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5	1772.4	94.7	3923	9	US-09-822-827-690
6	1772.4	94.7	3923	9	US-09-895-793-690
7	1772.4	94.7	3923	9	US-09-895-814-690

8	1772.4	94.7	3923	13	US-10-012-896-690
9	1772.4	94.7	3923	15	US-10-205-823-316
10	1772.4	94.7	3923	16	US-10-144-678A-690
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c 25	1734	92.6	2426	9	US-09-895-814-470
c 26	1734	92.6	2426	13	US-10-012-896-470
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c 34	1715	91.6	2229	9	US-09-895-793-469
c 35	1715	91.6	2229	9	US-09-895-814-469
c 36	1715	91.6	2229	13	US-10-012-896-469
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c 39	1715	91.6	2229	16	US-10-294-025-469
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c 42	812	43.4	812	9	US-09-780-669-471
c 43	812	43.4	812	9	US-09-822-827-471
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c 45	812	43.4	812	9	US-09-895-814-471

ALIGNMENTS

RESULT 1

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; Sequence 1, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schaiken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessel, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 1
; LENGTH: 2037
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1472)..(1472)
; OTHER INFORMATION: n = a, c, g or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1517)..(1517)
; OTHER INFORMATION: n = a, c, g or t

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; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1563)..(1563)
; OTHER INFORMATION: n = a, c, g or t
US-10-880-425A-1

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Best Local Similarity 99.9%; Pred. No. 0;
Matches 1778; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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DB 379 ATGTTTTTGACATTTCCAGCCCTTTTAAATATCCACACACACAGGAAAGCAAAAGGAA 438

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RESULT 2
US-10-880-425A-2
; Sequence 2, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessel, Daphne
; APPLICANT: Vermaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; FILE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365

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DB 1999 CTTTAGGGTTCACTCTCGGCAATTAAGAAATTTACAAGA 2037

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;; PRIOR FILING DATE: 2003-06-30
;; NUMBER OF SEQ ID NOS: 46
;; SOFTWARE: PatentIn version 3.2
;; SEQ ID NO 2
;; LENGTH: 3582
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-10-880-425A-2

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Best Local Similarity 99.5%; Pred. No. 0;
Matches 1770; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

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DB	701	GCTTCACAGACATCCACAAACAAATGGAATCTGATGATGATGATGATGATGATG	760
QY	574	GGGGAGGAGATAACACAGGGGAGAGGGTCAAGATTTCTGGCCCTGCTGCTAAACCTGTC	633
DB	761	GGGGAGGAGATAACACAGGGGAGAGGGTCAAGATTTCTGGCCCTGCTGCTAAACCTGTC	820
QY	634	GTTTAAACCAATCATTTTCATATTTCTAAACCTCAAAACAAAGCTGTTGTAATATCTGA	693
DB	821	GTTTAAACCAATCATTTTCATATTTCTAAACCTCAAAACAAAGCTGTTGTAATATCTGA	880
QY	694	TCTCTACGGTCTCTCTGCGGCCCAATCTCCATATATCCAGCCACATCTATTTTAA	753
DB	881	TCTCTACGGTCTCTCTGCGGCCCAATCTCCATATATCCAGCCACATCTATTTTAA	940
QY	754	ATTTAGTCTCCAGATCTGTACTGTGACCTTTCTACACTGAGAAATTAACATTAATTTT	813
DB	941	ATTTAGTCTCCAGATCTGTACTGTGACCTTTCTACACTGAGAAATTAACATTAATTTT	1000
QY	814	GTTTAAAGACCTTCTGTGTGCTGCTTAATATGATGATGATGATGATGATGATGATG	873
DB	1001	GTTTAAAGACCTTCTGTGTGCTGCTTAATATGATGATGATGATGATGATGATGATG	1060
QY	874	TCTGCGCCAGGGATCTGTGAACAGGCTGGGAGCATCTCAAGATCTTTCCAGGGTTATA	933
DB	1061	TCTGCGCCAGGGATCTGTGAACAGGCTGGGAGCATCTCAAGATCTTTCCAGGGTTATA	1120
QY	934	CTTACTAGCACACAGATCATCATTAACGAGGTGAATTTATCTAATCAACATCATCTCAGT	993
DB	1121	CTTACTAGCACACAGATCATCATTAACGAGGTGAATTTATCTAATCAACATCATCTCAGT	1180

QY	994	GTCTTTGCCATACATGAAATTCATTTCCACATTTTGTGCCCATTTCTCAAGACCTCAAAAT	1053
DB	1181	GTCTTTGCCATACATGAAATTCATTTCCACATTTTGTGCCCATTTCTCAAGACCTCAAAAT	1240
QY	1054	GTCAATTCATTAATACAGGATTAACCTTTTAACTGGAAGAAATCAATGTTA	1113
DB	1241	GTCAATTCATTAATACAGGATTAACCTTTTAACTGGAAGAAATCAATGTTA	1300
QY	1114	CATGAGCTATGGGAATTAATTAATTAATTTTCCAGTGCAAGAAATCAAGTCC	1173
DB	1301	CATGAGCTATGGGAATTAATTAATTAATTTTCCAGTGCAAGAAATCAAGTCC	1360
QY	1174	TTTATCCCTCCCTTTGTTGATTTTTCAGTATTAAGTTAAATGCTTAGCTTGT	1233
DB	1361	TTTATCCCTCCCTTTGTTGATTTTTCAGTATTAAGTTAAATGCTTAGCTTGT	1420
QY	1234	ACTGAGGCTGTATACAGCACAGCCTCTCCCATCTCCAGCTTATCTGTCTATCACCAT	1293
DB	1421	ACTGAGGCTGTATACAGCACAGCCTCTCCCATCTCCAGCTTATCTGTCTATCACCAT	1480
QY	1294	CAACCCCTCCCATNYSACCTAAACAAATCTAACTTGTAAATCTTGAACATGTGAGNC	1353
DB	1481	CAACCCCTCCCATNYSACCTAAACAAATCTAACTTGTAAATCTTGAACATGTGAGNC	1540
QY	1354	ATACATTTTCTCTGCTGAGAGCTCTTCTTCTTAAATCTAGAAATGATGAA	1413
DB	1541	ATACATTTTCTCTGCTGAGAGCTCTTCTTCTTAAATCTAGAAATGATGAA	1600
QY	1414	AGTTTGAATTAAGTTGACTTATCTTCAAGAAAGGACACATATGAGATTCTATC	1473
DB	1601	AGTTTGAATTAAGTTGACTTATCTTCAAGAAAGGACACATATGAGATTCTATC	1660
QY	1474	ATCACATGAGACAGCAATTAATAAGTGTAAATTTGATTAAGAGTTTGAATAATA	1533
DB	1661	ATCACATGAGACAGCAATTAATAAGTGTAAATTTGATTAAGAGTTTGAATAATA	1720
QY	1534	TGAATGCAAGKCCACAGAGGAGATCTTATGGGGCAGCTTTGAAGCTGGGATGGA	1593
DB	1721	TGAATGCAAGKCCACAGAGGAGATCTTATGGGGCAGCTTTGAAGCTGGGATGGA	1780
QY	1594	AGMAAGGAGGAGACCTCATAGTATCTTATATAATATCTTCTATCTCTATC	1653
DB	1781	AGMAAGGAGGAGACCTCATAGTATCTTATATAATATCTTCTATCTCTATC	1840
QY	1654	ACAATATCCAAAGCTTTTTCAGAGATTCATGAGTGCAATCCCAAGGTAACCTTT	1713
DB	1841	ACAATATCCAAAGCTTTTTCAGAGATTCATGAGTGCAATCCCAAGGTAACCTTT	1900
QY	1714	ATCCATTTTCATGCTGAGTGGCTTTAGAAATTTTGGCAATCATCTGTCATCTATCTCA	1773
DB	1901	ATCCATTTTCATGCTGAGTGGCTTTAGAAATTTTGGCAATCATCTGTCATCTATCTCA	1960
QY	1774	ACTTTGAGATGTTGCTTGTAGTTAAATTTGAAGAAATAGGGCCTCTTTGTGAGCCA	1833
DB	1961	ACTTTGAGATGTTGCTTGTAGTTAAATTTGAAGAAATAGGGCCTCTTTGTGAGCCA	2020
QY	1834	CTTTAGGGTTCACTCTCGCAATTAAGAAATTTTACAAAGA	1872
DB	2021	CTTTAGGGTTCACTCTCGCAATTAAGAAATTTTACAAAGA	2059

RESULT 3
US-09-759-143-690
; Sequence 690, Application US/09759143
; Patent No. US200202248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.

RESULT 4

US-09-780-669-690

; Sequence 690, Application US/09780669

; Patent No. US20020051977A1

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqui

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

; APPLICANT: Hural, John

; APPLICANT: McNeill, Patricia D.

; APPLICANT: Houghton, Raymond L.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.427C24

; CURRENT APPLICATION NUMBER: US/09/780,669

; CURRENT FILING DATE: 2001-02-09

; NUMBER OF SEQ ID NOS: 943

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 690

; LENGTH: 3923

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-780-669-690

Query Match 94.7%; Score 1772.4; DB 9; Length 3923;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1770; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

Qy	94	CAGAGGTGAGAAATGAAGAGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAA	153
Db	281	CAGGGGTGAGAAATGAAGAGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAA	340
Qy	154	ATGGAGATAATTAACATCACTAGAAACAGCAAGATGACATATATATGCTTAAGTAGTGAC	213
Db	341	ATGGAGATAATTAACATCACTAGAAACAGCAAGATGACATATATATGCTTAAGTAGTGAC	400
Qy	214	ATGTTTTTGACATTTTCAGGCCCTTTAAATATCACACACAGCAAGCAAAAGGAA	273
Db	401	ATGTTTTTGACATTTTCAGGCCCTTTAAATATCACACACAGCAAGCAAAAGGAA	460
Qy	274	GCACAGATCCCTGGGAGAAATGCCGGCCGCCATCTTGGGTCTATCGATGAGCCCTCGCC	333
Db	461	GCACAGATCCCTGGGAGAAATGCCGGCCGCCATCTTGGGTCTATCGATGAGCCCTCGCC	520
Qy	334	CTGTCCTTGTCCTGCTGAGGAGACATTAAGAAATGAATGATGCTTCTCTAA	393
Db	521	CTGTCCTTGTCCTGCTGAGGAGACATTAAGAAATGAATGATGCTTCTCTAA	580
Qy	394	AGGATGGCGAGAAACAGATCCCTGCTGGGATATTTTGAACGGGATACAGATTG	453
Db	581	AGGATGGCGAGAAACAGATCCCTGCTGGGATATTTTGAACGGGATACAGATTG	640
Qy	454	AAATGAAGTCAAAAGTGAAGATTAACCAATGAGAGGAAACACAGCAGAAATCTTTGATG	513
Db	641	AAATGAAGTCAAAAGTGAAGATTAACCAATGAGAGGAAACACAGCAGAAATCTTTGATG	700
Qy	514	GCTTCAAGACATGCAACAAACAAATGGAATATCTGTGATGACATGAGGAGCCCAAGCT	573

Db	701	GCTTCAAGACATGCAACAAACAAATGGAATATCTGTGATGACATGAGGAGCCCAAGCT	760
Qy	574	GGGAGAGATAAACACCGGGCAGAGGCTCAGGATTTCTGGCCCTCTGCTCTAACTGTGC	633
Db	761	GGGAGAGATAAACACCGGGCAGAGGCTCAGGATTTCTGGCCCTCTGCTCTAACTGTGC	820
Qy	634	GTTCTAAACCAAAATCATTTCTATATTTCTAAACCTCAAAACAAAGCTGTTGTAATATCTGA	693
Db	821	GTTCTAAACCAAAATCATTTCTATATTTCTAAACCTCAAAACAAAGCTGTTGTAATATCTGA	880
Qy	694	TCTCTACGGTTCCTCTCGGGCCCAACATTTCTCCATATATCCAGCCACACACTCATTTTAAAT	753
Db	881	TCTCTACGGTTCCTCTCGGGCCCAACATTTCTCCATATATCCAGCCACACACTCATTTTAAAT	940
Qy	754	ATTTAGTTCCAGATCTCTACTGTGACCTTTCTACATCTGTAGAATAACATTTCTCATTTT	813
Db	941	ATTTAGTTCCAGATCTCTACTGTGACCTTTCTACATCTGTAGAATAACATTTCTCATTTT	1000
Qy	814	GTTCAAAGACCTTCGTGCTGCTGCTTAATATGTAAGTGAAGTCTGTTTTCCTTAAGAGTGT	873
Db	1001	GTTCAAAGACCTTCGTGCTGCTGCTTAATATGTAAGTGAAGTCTGTTTTCCTTAAGAGTGT	1060
Qy	874	TCTGGCCAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCAGGCTTATA	933
Db	1061	TCTGGCCAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCAGGCTTATA	1120
Qy	934	CTTACTAGCACACAGCATGATCATTTACCGAGTGAATATCTAATCAACATCATCTCAGT	993
Db	1121	CTTACTAGCACACAGCATGATCATTTACCGAGTGAATATCTAATCAACATCATCTCAGT	1180
Qy	994	GTCTTTGCCCATCTGAAATTCATTTCCCATCTTTGTGCCCATCTCAAGACCTCAAAAT	1053
Db	1181	GTCTTTGCCCATCTGAAATTCATTTCCCATCTTTGTGCCCATCTCAAGACCTCAAAAT	1240
Qy	1054	GTCTTTCCATTAATATCAAGATTAATCTTTTAACTTAACTTGAAGATTTCAATGTTA	1113
Db	1241	GTCTTTCCATTAATATCAAGATTAATCTTTTAACTTAACTTGAAGATTTCAATGTTA	1300
Qy	1114	CATGAGCTATGGGAATTAATTAATTTTCTTCCAGTGCAAGATGACTAAGTCC	1173
Db	1301	CATGAGCTATGGGAATTAATTAATTTTCTTCCAGTGCAAGATGACTAAGTCC	1360
Qy	1174	TTTATCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTAAATGCTTTAGCTTGT	1233
Db	1361	TTTATCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTAAATGCTTTAGCTTGT	1420
Qy	1234	ACTGAGCTGTATACAGACAGACCTCTCCCATCTCCAGCTTATCTGTATCATCCAT	1293
Db	1421	ACTGAGCTGTATACAGACAGACCTCTCCCATCTCCAGCTTATCTGTATCATCCAT	1480
Qy	1294	CAACCCCTCCCATNYSACTAAACAAATCTAACTTGAATTTCTTGAACATGTGAGGNC	1353
Db	1481	CAACCCCTCCCATNYSACTAAACAAATCTAACTTGAATTTCTTGAACATGTGAGGNC	1540
Qy	1354	ATACATTTTCTGCTGCTGAGAGCTCTTCTTGTCTCTTAANTCTAGAATGATGAA	1413
Db	1541	ATACATTTTCTGCTGCTGAGAGCTCTTCTTGTCTCTTAANTCTAGAATGATGAA	1600
Qy	1414	AGTTTGAATTAAGTTGACTATCTTACTTCATGCAAGAGGACACATATGAGATTATC	1473
Db	1601	AGTTTGAATTAAGTTGACTATCTTACTTCATGCAAGAGGACACATATGAGATTATC	1660
Qy	1474	ATCACATGAGACAGCAAAATCTAAAGTGAATTTGATTAAAGATTTAGATAAATA	1533
Db	1661	ATCACATGAGACAGCAAAATCTAAAGTGAATTTGATTAAAGATTTAGATAAATA	1720
Qy	1534	TGAAATGCAAGACCCACAGAGGGAATGTTTATGGGGCAGCTTTGTAAGCTGGGATGCA	1593
Db	1721	TGAAATGCAAGACCCACAGAGGGAATGTTTATGGGGCAGCTTTGTAAGCTGGGATGCA	1780
Qy	1594	AGMAAGGCGAGGAGACCTTAGTATCTTATATATATATCTTCTTCTCTCTCTATC	1653

Db	1781	AGCAAAGCGAGGAAACCTC	TAGTATCTTATATTAATATAC	TTCTATTTCTCTATCTCTATC	1841
Qy	1654	ACAATATCCAAACAAGCTTTT	CACAGAATTCATGCAGTGCAAA	TCCCAAAAGGTAACCTTT	1713
Db	1841	ACAATATCCAAACAAGCTTTT	CACAGAATTCATGCAGTGCAAA	TCCCAAAAGGTAACCTTT	1900
Qy	1714	ATCCATTTTCATGGTGAGTGCG	CTTTAGAAATTTTGGCAAAATCA	TACTGGTCACTTATCTCA	1773
Db	1901	ATCCATTTTCATGGTGAGTGCG	CTTTAGAAATTTTGGCAAAATCA	TACTGGTCACTTATCTCA	1960
Qy	1774	ACTTTGAGATGCTGTTTCCTT	GTAGTATTTGAAAGAAATAGGC	CACTCTTGTGAGCCA	1833
Db	1961	ACTTTGAGATGCTGTTTCCTT	GTAGTATTTGAAAGAAATAGGC	CACTCTTGTGAGCCA	2020
Qy	1834	CTTTAGGGTTTCACTTCCTGG	CAATAAAGAAATTTACAAAGA	1872	
Db	2021	CTTTAGGGTTTCACTTCCTGG	CAATAAAGAAATTTACAAAGA	2059	
RESULT 5					
US-09-822-827-690					
; Sequence 690, Application US/09822827					
; Patent No. US20020081680A1					
; GENERAL INFORMATION:					
; APPLICANT: Xu, Jiangchun					
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND					
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER					
; FILE REFERENCE: 210121.534C1					
; CURRENT APPLICATION NUMBER: US/09/822,827					
; CURRENT FILING DATE: 2001-03-28					
; NUMBER OF SEQ ID NOS: 982					
; SOFTWARE: FastSeq for Windows Version 3.0					
; SEQ ID NO 690					
; LENGTH: 3923					
; TYPE: DNA					
; ORGANISM: Homo sapien					
US-09-822-827-690					
Query Match 94.7%; Score 1772.4; DB 9; Length 3923;					
Best Local Similarity 99.5%; Pred. No. 0;					
Matches 1770; Conservative 5; Mismatches 4; Indels 0; Gaps 0;					
Qy	94	CAGAGGTGAGAAATAAGAAAGG	TGCTTGACTTTACCATCTTGAG	CCACACATCTGCTGAA	153
Db	281	CAGGGTGAGAAATAAGAAAGG	TGCTTGACTTTACCATCTTGAG	CCACACATCTGCTGAA	340
Qy	154	ATGAGAGATAATTAACATCACT	AGAAAACAGCAAGATGACAA	TATATGCTTAAGTAGTGAC	213
Db	341	ATGAGAGATAATTAACATCACT	AGAAAACAGCAAGATGACAA	TATATGCTTAAGTAGTGAC	400
Qy	214	ATGTTTTTGACATTTCCAGCC	CTTTAAATATCCACACACAG	GAAGACACAAAAGGAA	273
Db	401	ATGTTTTTGACATTTCCAGCC	CTTTAAATATCCACACACAG	GAAGACACAAAAGGAA	460
Qy	274	GCACAGAGATCCCTGGGAGAA	ATGCCCGCGCCCATCTTGGG	TATCCGATGAGCCTCGCC	333
Db	461	GCACAGAGATCCCTGGGAGAA	ATGCCCGCGCCCATCTTGGG	TATCCGATGAGCCTCGCC	520
Qy	334	CTGTGCTGTGCTCCGCTTTG	TGAGGAAAGGACATTAGAAA	ATGAATGATGTGTTCCTAA	393
Db	521	CTGTGCTGTGCTCCGCTTTG	TGAGGAAAGGACATTAGAAA	ATGAATGATGTGTTCCTAA	580
Qy	394	AGGATGGCGAGGAAACAGAT	TCCTGTGTGATATTTTATTT	TGAACGGGATTACAGATTG	453
Db	581	AGGATGGCGAGGAAACAGAT	TCCTGTGTGATATTTTATTT	TGAACGGGATTACAGATTG	640
Qy	454	AAATGAAGTCACAAAGTGAG	CATTATCCAAATGAGAGGAAA	CACACGAGAAAAATCTTGATG	513
Db	641	AAATGAAGTCACAAAGTGAG	CATTATCCAAATGAGAGGAAA	CACACGAGAAAAATCTTGATG	700
Qy	514	GCTTCAACAGACATGCAACAA	AAAAATGGAATATCTGTGATG	ACATGAGCGACGCCAAGCT	573
Db	701	GCTTCAACAGACATGCAACAA	AAAAATGGAATATCTGTGATG	ACATGAGCGACGCCAAGCT	760

Qy	1654	ACAATCCCAACAGCTTTTTCACAGAAATTCATGCAGTGCAAATCCCCAAAGGTAAACCTTT	1713
Db	1841	ACAATATCCCAACAGCTTTTTCACAGAAATTCATGCAGTGCAAATCCCCAAAGGTAAACCTTT	1900
Qy	1714	ATCATTTCATGTGTAGTGCGCTTTTACAAATTTTGGCAAAATCATACTGGTCACATTATCTCA	1773
Db	1901	ATCATTTCATGTGTAGTGCGCTTTTACAAATTTTGGCAAAATCATACTGGTCACATTATCTCA	1960
Qy	1774	ACTTTGAGATGTGTTCCTTGTAGTAAATGAAAGAAATAGGGCACTCTTGTGAGCCA	1833
Db	1961	ACTTTGAGATGTGTTCCTTGTAGTAAATGAAAGAAATAGGGCACTCTTGTGAGCCA	2020
Qy	1834	CTTTAGGGTTTCACTCTCTGGCAATAAGAAATTTACAAAGA	1872
Db	2021	CTTTAGGGTTTCACTCTCTGGCAATAAGAAATTTACAAAGA	2059

RESULT 6

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US-09-895-793-690
; Sequence 690, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-895-793-690

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QY	274	GCA	CAGAGATCCCTGGGAGAAATGCCCGCGCCGACATCTTTGGGGTTCATCGATGAGCCTCGCC	333
DB	461	GCA	CAGAGATCCCTGGGAGAAATGCCCGCGCCGACATCTTTGGGGTTCATCGATGAGCCTCGCC	520
QY	334	CTGTGCTGTGCTCCGCTTGTGAGGGAGAGACATTAGAAATGAATTAATGATGTGTTCTCTTAA	393	
DB	521	CTGTGCTGTGCTCCGCTTGTGAGGGAGAGACATTAGAAATGAATTAATGATGTGTTCTCTTAA	580	
QY	394	AGGATGGCGAGGAAAAACAGATCCCTGTTGTGGATATTTATTTTGAACGGGATTAACAGATTTG	453	
DB	581	AGGATGGCGAGGAAAAACAGATCCCTGTTGTGGATATTTATTTTGAACGGGATTAACAGATTTG	640	
QY	454	AAATGAAGTCAAAAAGTACATTAACAATGAGAGGAAAAACAGACGAGAAAAATCTTTGATG	513	
DB	641	AAATGAAGTCAAAAAGTACATTAACAATGAGAGGAAAAACAGACGAGAAAAATCTTTGATG	700	
QY	514	GCTTCAACAGACATGCAACAAAACAAAATGGAATACCTGTGATGACATGAGCGACGCAAGCT	573	
DB	701	GCTTCAACAGACATGCAACAAAACAAAATGGAATACCTGTGATGACATGAGCGACGCAAGCT	760	
QY	574	GGGAGAGAGATAACCAACGGGCGACAGGGTCAGGATTTCTGGCCCTGCTGAACTTAACTGTGC	633	
DB	761	GGGAGAGAGATAACCAACGGGCGACAGGGTCAGGATTTCTGGCCCTGCTGAACTTAACTGTGC	820	
QY	634	GTTTCATTAACCAATTCATTTTCATATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGA	693	
DB	821	GTTTCATTAACCAATTCATTTTCATATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGA	880	
QY	694	TCCTCAGGTTTCCTCTGGGCGCAACATTTCTCCATATATCCAGCCACACTCATTTTTTAAT	753	
DB	881	TCCTCAGGTTTCCTCTGGGCGCAACATTTCTCCATATATCCAGCCACACTCATTTTTTAAT	940	
QY	754	ATTTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTACTCATTTTT	813	
DB	941	ATTTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTACTCATTTTT	1000	
QY	814	GTTCAAAAGACCTTTCGTGTGCTGCCATAATATGTAGCTGACTGTGTTTTCTTAAGGAGTGT	873	
DB	1001	GTTCAAAAGACCTTTCGTGTGCTGCCATAATATGTAGCTGACTGTGTTTTCTTAAGGAGTGT	1060	
QY	874	TCGTGCCCCAGGGATCTGTGAACAGAGCTGGGAGACATCTCAGACTCTTTCCAGGGTTATA	933	
DB	1061	TCGTGCCCCAGGGATCTGTGAACAGAGCTGGGAGACATCTCAGACTCTTTCCAGGGTTATA	1120	
QY	934	CTTACTAGCACACAGCATGATCATTTACGGAGTGAATTAATCTAATCAACATCATCTCCAGT	993	
DB	1121	CTTACTAGCACACAGCATGATCATTTACGGAGTGAATTAATCTAATCAACATCATCTCCAGT	1180	
QY	994	GTCTTTGCCCATACTGAAATTCATTTCCCATCTTTGTGCCCATTTCTCAAGACCTCAAAAT	1053	
DB	1181	GTCTTTGCCCATACTGAAATTCATTTCCCATCTTTGTGCCCATTTCTCAAGACCTCAAAAT	1240	
QY	1054	GTCAATCCATTAATATACAGGATTAACCTTTTTTTTTTTTAACTGCGGAGAAATTCAAATGTTA	1113	
DB	1241	GTCAATCCATTAATATACAGGATTAACCTTTTTTTTTTTTAACTGCGGAGAAATTCAAATGTTA	1300	
QY	1114	CATGCGACTATGGAAATTAATTAATACATATTTTGTGTTTTTCCAGTGCAGAAAGTGAATAAGTCC	1173	
DB	1301	CATGCGACTATGGAAATTAATTAATACATATTTTGTGTTTTTCCAGTGCAGAAAGTGAATAAGTCC	1360	
QY	1174	TTTATCCCTCCCTTTGTTGATTTTTTTTTTCCAGTATATAAGTTAAAGTGTAGCCTTGT	1233	
DB	1361	TTTATCCCTCCCTTTGTTGATTTTTTTTTTCCAGTATATAAGTTAAAGTGTAGCCTTGT	1420	
QY	1234	ACTGAGGCTGTATACAGCAGAGCTCTCCCATCCCTCCAGGCTTATCTGTATACACCAT	1293	
DB	1421	ACTGAGGCTGTATACAGCAGAGCTCTCCCATCCCTCCAGGCTTATCTGTATACACCAT	1480	
QY	1294	CAACCCCTCCCATWYSAACCTTAAACAAAATCTAACTTGTAAATTCCTTGAACATGTCAAGNC	1353	
DB	1481	CAACCCCTCCCATWYSAACCTTAAACAAAATCTAACTTGTAAATTCCTTGAACATGTCAAGNC	1540	
QY	1354	ATACATTTTTCCTCTCGCTCGAGGAGCTCTTCTGTGCTCTTTAAATCTAGAATGATGTAA	1413	

Db 641 AANTGAAGTCACAAAGTGAGCATTACCAATGAGAGGAAACACAGACGAGAAAAATCTTGATG 700
Qy 514 GCTTCAAGACATGCAACAAACAAATGGAATFACTGTGATGATGATGAGGAGCCCAAGCT 573
Db 701 GCTTCAAGACATGCAACAAACAAATGGAATFACTGTGATGATGATGAGGAGCCCAAGCT 760
Qy 574 GGGGAGAGATACCAAGGGGAGAGGGTCAAGATTTCTGGCCCTGCTGCTAAACTGTGC 633
Db 761 GGGGAGAGATAACCAAGGGGAGAGGGTCAAGATTTCTGGCCCTGCTGCTAAACTGTGC 820
Qy 634 GTTCATAACCAATCAATTTTCATATTTCTAAACCTCAAAACAAAGCTGTTGTAATATCTGA 693
Db 821 GTTCATAACCAATCAATTTTCATATTTCTAAACCTCAAAACAAAGCTGTTGTAATATCTGA 880
Qy 694 TCTCTACGGTTCCTTCGCGGCCCAACATTTCTCATATATCCAGCCACACATCAATTTTAAAT 753
Db 881 TCTCTACGGTTCCTTCGCGGCCCAACATTTCTCATATATCCAGCCACACATCAATTTTAAAT 940
Qy 754 ATTTAGTTCCTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATCAATTAATTTT 813
Db 941 ATTTAGTTCCTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATCAATTAATTTT 1000
Qy 814 GTTCAAGACCCCTTCGTGTTGCTGCTTAATATGATGCTGACTGTTTTCCTTAAGGAGTGT 873
Db 1001 GTTCAAGACCCCTTCGTGTTGCTGCTTAATATGATGCTGACTGTTTTCCTTAAGGAGTGT 1060
Qy 874 TCTGGCCCGAGGATCTGTGAACAGAGCTGGGAAGCATCTCAAGATCTTTCAGGGTTATA 933
Db 1061 TCTGGCCCGAGGATCTGTGAACAGAGCTGGGAAGCATCTCAAGATCTTTCAGGGTTATA 1120
Qy 934 CTCTACTAGCACAGCATGATCATATTAAGGAGTGAATTTCTAATCAACATCATCTCACT 993
Db 1121 CTCTACTAGCACAGCATGATCATATTAAGGAGTGAATTTCTAATCAACATCATCTCACT 1180
Qy 994 GTCTTTGCCCATCTCAAAATTCATTTCCCATTTTGTGCGCCATTTCTCAAGACCTCAAAAT 1053
Db 1181 GTCTTTGCCCATCTCAAAATTCATTTCCCATTTTGTGCGCCATTTCTCAAGACCTCAAAAT 1240
Qy 1054 GTCAATTCATTAATATCACAGGATTAATTTTTTTTAACTCGGAAGAAATCAATGTGA 1113
Db 1241 GTCAATTCATTAATATCACAGGATTAATTTTTTTTAACTCGGAAGAAATCAATGTGA 1300
Qy 1114 CATGAGCTATGGGAATTTAATACATATTTGTTTTTCAGTGCAAGATGACTAAGTCC 1173
Db 1301 CATGAGCTATGGGAATTTAATACATATTTGTTTTTCAGTGCAAGATGACTAAGTCC 1360
Qy 1174 TTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGTTAAATGCTTAGCCCTGT 1233
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Qy 1234 ACTGAGGCTGTATACAGCAGCCTCTCCCATCCCTCCAGCCTTATCTGTATCACTACCAT 1293
Db 1421 ACTGAGGCTGTATACAGCAGCCTCTCCCATCCCTCCAGCCTTATCTGTATCACTACCAT 1480
Qy 1294 CAACCCCTCCCATNYSACCTAAACAAATCTAATCTGTAATTTCTTGAACATGTGAGNC 1353
Db 1481 CAACCCCTCCCATNYSACCTAAACAAATCTAATCTGTAATTTCTTGAACATGTGAGNC 1540
Qy 1354 ATACATTTTCTTCTGCTGAGAGCTCTTCTGCTCTCTTAATCTAGAAATGATGA 1413
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Qy 1414 AGTTTGAATAGTTGACTATCTTACTTCATGCAAAAGAGGACACATATGAGATTCATC 1473
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Qy 1474 ATCAATGAGACAGCAAAATCTAAAGTGTAAATTTGAATTAAGAGTTTGAATAATAATA 1533
Db 1661 ATCAATGAGACAGCAAAATCTAAAGTGTAAATTTGAATTAAGAGTTTGAATAATAATA 1720
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Qy 1594 AGMAAAGGACAGGAACCTCATATGATCTTATATATATATATATATCTTCTATCTCTATC 1653
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Qy 1714 ATCCATTTTCATGCTGAGTGCCTTTTGAAGATTTTGGCAATCATATCTGCTTATCTCA 1773
Db 1901 ATCCATTTTCATGCTGAGTGCCTTTTGAAGATTTTGGCAATCATATCTGCTTATCTCA 1960
Qy 1774 ACTTTGAGATGTTTGTGCTTGTAGTAAATTTGAAGAAATAGGGCACTCTTGTGTAGCCA 1833
Db 1961 ACTTTGAGATGTTTGTGCTTGTAGTAAATTTGAAGAAATAGGGCACTCTTGTGTAGCCA 2020
Qy 1834 CTTTATAGGTTTCACTCCTGCGCAATAAAGAAATTTTACAAAGA 1872
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RESULT 10

US-10-144-678A-690
; Sequence 690, Application US/10144678A
; Publication No. US20030157089A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Hepler, William T.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals y de Bassols, Carlota
; APPLICANT: Foy, Teresa M.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Deng, Ta
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C28
; CURRENT APPLICATION NUMBER: US/10/144,678A
; CURRENT FILING DATE: 2002-08-12
; NUMBER OF SEQ ID NOS: 1033
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-678A-690

Query Match 94.7%; Score 1772.4; DB 16; Length 3923;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1770; Conservative 5; Mismatches 4; Indels 0; Gaps 0;
Qy 94 CAGAGGTGAGAAATAAGAAAGGCTCTGACTTTTACCATCTGAGGCCACACATCTGTGAA 153
Db 281 CAGGGGTGAGAAATAAGAAAGGCTCTGACTTTACCATCTGAGGCCACACATCTGTGAA 340
Qy 154 ATGGAGATAATTAACATCACTAGAAAACAGCAAGATGACAAATATAATGTCTTAAGTAGTGAC 213


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QY 274 GCACAGAGATCCCTGGGAGAAATGCCCCGCCCATCTTTGGGTATCGATGAGCCTCGCC 333
Db 461 GCACAGAGATCCCTGGGAGAAATGCCCCGCCCATCTTTGGGTATCGATGAGCCTCGCC 520
QY 334 CTGTGCTCGTCCCGTCTGTGGGAGGAGACATATAGAAAATGAATGATGTCTCTTAA 393
Db 521 CTGTGCTCGTCCCGTCTGTGGGAGGAGACATATAGAAAATGAATGATGTCTCTTAA 580
QY 394 AGGATGGGAGGAAACAGATCTGTGTGTGGATATTTATTTGAACGGGATTAACAGATTG 453
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QY 454 AAATGAAGTCAAAAGTGAACATTAACAAATGAGAGGAAACAGAGAGAAATCTTGATG 513
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Db 701 GCTTCAACAGATGCAACAAACAAATGGAATACGTGATGACATGAGGAGCCAGCT 760
QY 574 GGGGAGGAGATAACACAGGGGAGAGGTCAGATTTCTGGCCCTGCTGCTAAACCTGTGC 633
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QY 874 TCTGGCCAGGGGATCTGTGAACAGGCTGGGAGCATCTCAGATCTTTCCAGGCTTATA 933
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QY 994 GTCTTTGCCCATCTGAATTCATTTCCCATTTTGTGCCCATCTCAGAGCTCAAAAT 1053
Db 1181 GTCTTTGCCCATCTGAATTCATTTCCCATTTTGTGCCCATCTCAGAGCTCAAAAT 1240
QY 1054 GTCAATTCATTAATACAGGATTAACCTTTTAACTGGAGAAATTCATGTTA 1113
Db 1241 GTCAATTCATTAATACAGGATTAACCTTTTAACTGGAGAAATTCATGTTA 1300
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Db 1301 CATGAGCTATGGGAATTTAAATACATATTTTGTGTTTCCAGTGCAAGATGACTAAGTCC 1360
QY 1174 TTTATCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTAAATGCTTTAGCCTTGT 1233
Db 1361 TTTATCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTAAATGCTTTAGCCTTGT 1420
QY 1234 ACTGAGGCTGTATACAGACAGCCTCTCCCATCTCCAGCCTTATCTGTCTATCACCAT 1293
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Db 1421 ACTGAGGCTGTATATACAGACAGCCTCTCCCATCCCTCCAGCCTTATCTGTCTATCACCAT 1480
QY 1294 CAACCCCTCCCATNYSACCTAAACAAAATCTAACTTGTAAATTCCTTGAACATGTGAGNC 1353
Db 1481 CAACCCCTCCCATNYSACCTAAACAAAATCTAACTTGTAAATTCCTTGAACATGTGAGNC 1540
QY 1354 ATACATTTTCTCTGCTGCTGAGAGCTCTTCTTGTCTCTTAAATCTAGAAATGATGA 1413
Db 1541 ATACATTTTCTCTGCTGCTGAGAGCTCTTCTTGTCTCTTAAATCTAGAAATGATGA 1600
QY 1414 AGTTTGTGAATGAGTGAATCTTCTTCTCATGCAAGAGGACACATATGAGATTCATC 1473
Db 1601 AGTTTGTGAATGAGTGAATCTTCTTCTCATGCAAGAGGACACATATGAGATTCATC 1660
QY 1474 ATCATGAGACAGCAAAATCTAAAAGTGAATTTGATTATAAGAGTTTAGATAAATA 1533
Db 1661 ATCATGAGACAGCAAAATCTAAAAGTGAATTTGATTATAAGAGTTTAGATAAATA 1720
QY 1534 TGAATGCAAGAKCCACAGAGGGAATGTTTATGGGGCACGTTTGTAAAGCTGGGATGGA 1593
Db 1721 TGAATGCAAGAGCCACAGAGGGAATGTTTATGGGGCACGTTTGTAAAGCTGGGATGGA 1780
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Db 1781 AGMAAGGACAGGAGACCTCATAGTATCTTATATATATATCTTCTCTCTATCTCTATC 1840
QY 1654 ACAATATCCAAACAGCTTTTCCAGAAATTCATGAGTCAAAATCCCAAGGTAACCTTT 1713
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Db 1901 ATCCATTTTCTGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1960
QY 1774 ACTTTGAGATGTTTGTGCTTGTAGTAAATGAAAGAAATAGGCACTCTTGTGAGCCA 1833
Db 1961 ACTTTGAGATGTTTGTGCTTGTAGTAAATGAAAGAAATAGGCACTCTTGTGAGCCA 2020
QY 1834 CTTTAGGGTTCACTCTGGCAATTAAGAAATTTACAAAGA 1872
Db 2021 CTTTAGGGTTCACTCTGGCAATTAAGAAATTTACAAAGA 2059
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RESULT 11

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US-10-294-025-690
; Sequence 690, Application US/10294025
; Publication No. US20030185830A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C29
; CURRENT APPLICATION NUMBER: US/10/294,025
; CURRENT FILING DATE: 2002-11-12
; NUMBER OF SEQ ID NOS: 1038
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-294-025-690
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Query Match 94.7%; Score 1772.4; DB 16; Length 3923;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1770; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 94 CAGAGGTGAGAAATAAGAAAGGCTGCTGACCTTACCTCTGAGGCCACACATCTGCTGAA 153
Db 281 CAGGGTGAGAAATAAGAAAGGCTGCTGACCTTACCTCTGAGGCCACACATCTGCTGAA 340
QY 154 ATGAGATTAATAACATCACTAGAAAACAGCAAGATGACATATAATGTCTAAGTAGTAC 213
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; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-468

Query Match      92.9%; Score 1739.2; DB 9; Length 3112;
Best Local Similarity 99.4%; Pred: No. 0;
Matches 17/1; Conservative 4; Mismatches 3; Gaps 3;

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Db 1307 TAAATAGGTGAGAAATTAAGAAAGGCTGCTGACTTTTACCACTGAGGCCACACATCTGCTG 1366
|
Qy 152 AAATGGAGATAATTAAACATCACTAGAAACAGCAAGATGACAATAATAATGTCTAAGTAGTG 211
|
Db 1367 AAATGGAGATAATTAAACATCACTAGAAACAGCAAGATGACAATAATAATGTCTAAGTAGTG 1426
|
Qy 212 ACATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGCACAAAAGG 271
|
Db 1427 ACATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGCACAAAAGG 1486
|
Qy 272 AAGCACAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTTGGGTCACTCATGAGCCCTCG 331
|
Db 1487 AAGCACAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTTGGGTCACTCATGAGCCCTCG 1546
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Qy 332 CCCTGTGCTGGTCCCGTTGTGAGGAAGGACATTAGAAAATGCAATTGATGTGTTCCCTT 391
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Db 1607 AAAGCATGGGCAGGAAAACAGATCCTGTTGTGGATATTTATTTGAAACGGGATTACAGATT 1666
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Qy 452 TGAATGAAGTCAAAAAGTGAGCATTAACCAATGAGAGGAAAACAGACGAGAAAATCTTTGA 511
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Qy 632 GCGTTCAATAACCAAAATCATTTTCATATTTCTAACCCCTCAAAACAAAGCTGTGTGAATATCT 691
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Db 1847 GCGTTCAATAACCAAAATCATTTTCATATTTCTAACCCCTCAAAACAAAGCTGTGTGAATATCT 1906
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Qy 692 GATCTCTACGGTTCTTCTGGGCCCAACATCTCCATATATCCAGCCACACTCATTTTTTA 751
|
Db 1907 GATCTCTACGGTTCTTCTGGGCCCAACATCTCCATATATCCAGCCACACTCATTTTTTA 1966
|
Qy 752 ATATTTAGTTCACAGATCTGTACTGTGACCTTCTACACTGTAGATAAACAATTAATCTCAT 811
|
Db 1967 ATATTTAGTTCACAGATCTGTACTGTGACCTTCTACACTGTAGATAAACAATTAATCTCAT 2026
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Qy 812 TTGTTCAAAGACCCCTTGGTGTGCTGCTCAATATGTAGCTGACTGTTTTTTCCTAAGGAGT 871
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Db 2027 TTGTTCAAAGACCCCTTGGTGTGCTGCTCAATATGTAGCTGACTGTTTTTTCCTAAGGAGT 2086
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Qy 872 GTTCTGCGCCAGGGGATCTGTGAACAGGCTGGGAGGATCTCAAGATCTTTCAGGGGTTA 931
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Qy 932 TACTTACTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTAAATCAACATCATCTCTCA 991
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Qy 992 GTGTCTTTGCCCATPACTGAAATTCATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAA 1051
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Db 2207 GTGTCTTTGCCCATPACTGAAATTCATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAA 2266

```

APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
APPLICANT: Hural, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.427C24
CURRENT APPLICATION NUMBER: US/09/780,669
NUMBER OF SEQ ID NOS: 943
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 468
LENGTH: 3112
TYPE: DNA
ORGANISM: Homo sapiens
US-09-780-669-468

Query Match 92.9%; Score 1739.2; DB 9; Length 3112;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1771; Conservative 4; Mismatches 4; Indels 3; Gaps 3;

QY 92 TACAGAGGTGAGAAATAAGAAAGGCTGCTGACTTACCACTCGAGCCACACATCTGCTG 151
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QY 152 AAATGAGATATTAACATCACTAGAAACAGCAAGATGACATATATGCTTAAAGTAGTG 211
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QY 1367 AAATGAGATATTAACATCACTAGAAACAGCAAGATGACATATATGCTTAAAGTAGTG 1426
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QY 212 ACATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAAGG 271
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QY 1427 ACATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAAGG 1486
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QY 1487 AAGCAGAGATCCCTGGAGAAATGCCCGGCCCATCTTGGGTATCATCGATGAGCCTCG 1546
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QY 1547 CCCTGTGCTGCTCCGCTTGTGAGGAAGGACATTTAGAAATGAAATGATGCTGCTTCC 1606
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QY 392 AAAGATGGGAGGAAACAGATCCCTGTTGCGATATTTTGAACGGATTAACAGATT 451
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QY 1607 AAAGATGGGAGGAAACAGATCCCTGTTGCGATATTTTGAACGGATTAACAGATT 1666
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QY 572 CTGGGGAGGAGATACCAAGGGGAGAGGTCAGGATTCCTGGCCCTGCTGCTTAACTGT 631
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QY 1787 CTGGGGAGGAGATACCAAGGGGAGAGGTCAGGATTCCTGGCCCTGCTGCTTAACTGT 1846
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QY 632 GGGTTTCATAACCAATCATTTTCATATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCT 691
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QY 692 GATCTCTACGGTTCCTTCTGGGCCCAACATTTCCATATATCCAGCCACATCATTTTFA 751
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QY 1907 GATCTCTACGGTTCCTTCTGGGCCCAACATTTCCATATATCCAGCCACATCATTTTFA 1966
DB |||||
QY 752 ATATTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGATAACATCTACTATT 811
DB |||||
QY 1967 ATATTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGATAACATCTACTATT 2026
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QY 812 TTGTTCAAAGACCCCTTCGTGTTGCTGCTTAATATGTAGCTGACTGCTTTTCTTAAGGAGT 871
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QY 1112 TACATGAGCTATGGAAATTTAAATTAACATATTTTGTTCAGTGCAGAGATGACTAAGT 1171
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QY 1172 CCTTTATCCCTCCCTTTTGTGTTGATTTTTCAGTATAAAGTTAAATGCTTAGCCCTT 1231
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QY 1291 CATCAACCCCTCCCATNYSACCTAAACAAATCTAACTTGTAAATCTTGAACATGTGAG 1350
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QY 2507 CATCAACCCCTCCCATG-CACCTAAACAAATCTAACTTGTAAATCTTGAACATGTGAG 2565
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QY 1351 GNCATACATTTTCTCTGCTGAGAAAGCTCTTCTTGTCTCTTAAATCTAAGAAATGATG 1410
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QY 2566 G-CATACATTTTCTCTGCTGAGAAAGCTCTTCTTGTCTCTTAAATCTAAGAAATGATG 2624
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QY 1411 TAAAGTTTGAATAGTTGACTATCTTACTTCAAGAGGAGGACACATATGAGATTC 1470
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QY 1471 ATCATCACATGAGACAGCAAAATCTAAAGTGTAAATTTGATTAAGAGTTTAGATAAT 1530
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QY 1831 CCACCTTAGGGTTCACTCTCGCAATAAAGAAATTTTACAAAGA 1872
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QY 3045 CCACCTTAGGGTTCACTCTCGCAATAAAGAAATTTTACAAAGA 3086
DB |||||

RESULT 14
US-09-822-827-468
; Sequence 468, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-827-468

Query Match 92.9%; Score 1739.2; DB 9; Length 3112;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1771; Conservative 4; Mismatches 4; Indels 3; Gaps 3;

QY 92 TACAGAGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTG 151
DB 1307 TAAATAGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTG 1366

QY 152 AAATGAGAGATAATTAACATCACTAGAAACAGCAAGATGACATATATATGCTTAAGTAGTG 211
DB 1367 AAATGAGAGATAATTAACATCACTAGAAACAGCAAGATGACATATATATGCTTAAGTAGTG 1426

QY 212 ACATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCACAAAGG 271
DB 1427 ACATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCACAAAGG 1486

QY 272 AAGCAGAGATCCCTGGAGAAATAGCCCGGCCGCACTTGGGTATCATGATGAGCCTCG 331
DB 1487 AAGCAGAGATCCCTGGAGAAATAGCCCGGCCGCACTTGGGTATCATGATGAGCCTCG 1546

QY 332 CCTGTGCTGCTGCCGCTTGTGAGGAGGACATAGAAATGAATGATGCTGCTTCCCT 391
DB 1547 CCTGTGCTGCTGCCGCTTGTGAGGAGGACATAGAAATGAATGATGCTGCTTCCCT 1606

QY 392 AAAGGATGGCGAGGAAAAACAGATCCCTGTTGTGGATATTTATTTGAAACGGGATTCAGATT 451
DB 1607 AAAGGATGGCGAGGAAAAACAGATCCCTGTTGTGGATATTTATTTGAAACGGGATTCAGATT 1666

QY 452 TGAATATGAAGTCACAAAGTGACATTTACCAATGAGAGGAAACACAGCGAGAAAAATCTTGA 511
DB 1667 TGAATATGAAGTCACAAAGTGACATTTACCAATGAGAGGAAACACAGCGAGAAAAATCTTGA 1726

QY 512 TGGCTTTCACAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGCGACCCCAAG 571
DB 1727 TGGCTTTCACAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGCGACCCCAAG 1786

QY 572 CTGGGAGGAGATAACCAACGGGCGAGGGTCAGGATTTCTGGCCCTGCTGCTCAAACTGT 631
DB 1787 CTGGGAGGAGATAACCAACGGGCGAGGGTCAGGATTTCTGGCCCTGCTGCTCAAACTGT 1846

QY 632 GGGTTTCATTAACCAATTCATTTTCAATTTCTAACCTCAAAACAAAGCTGTGTAATATCT 691
DB 1847 GGGTTTCATTAACCAATTCATTTTCAATTTCTAACCTCAAAACAAAGCTGTGTAATATCT 1906

QY 692 GATCTCTACGGTTCTCTGGGCCCAACATTTCTCATATATCCAGCCACACTCATTTTGA 751
DB 1907 GATCTCTACGGTTCTCTGGGCCCAACATTTCTCATATATCCAGCCACACTCATTTTGA 1966

QY 752 ATATTTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGAAATAACATTAATCTCAT 811
DB 1967 ATATTTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGAAATAACATTAATCTCAT 2026

QY 812 TTGTTCAAAGACCCCTTCGTGTTGCTGCCTAAATATGTAGCTGACTGTTTTTCTCCTAGGAGT 871

RESULT 15

DB 2027 TTGTTCAAAGACCCCTTCGTGTTGCTGCTAAATATGTAGCTGACTGTTTTTCTCTAAGGAGT 2086

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QY 932 TACTTACTAGCACACAGCATGATCATTTACGGAGTGAATATCTAATCAACATCATCTCTCA 991

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QY 992 GTGCTTTGGCCCATACTGAAATTCATTTCCACCTTTTGTGGCCCATCTCAAGACCTCAAA 1051

DB 2207 GTGCTTTGGCCCATACTGAAATTCATTTCCACCTTTTGTGGCCCATCTCAAGACCTCAAA 2266

QY 1052 ATGTCATTTCCATTAATATACAGAGTAACTTTTTTTTTTAACTTAACTGGAAGATTCAAATGT 1111

DB 2267 ATGTCATTTCCATTAATATACAGAGTAACTTTTTTTTTTAACTTAACTGGAAGATTCAAATGT 2326

QY 1112 TACATGCAGCTATGGGAATTTAAATACATATTTTGTGTTTCCAGTGCAGGATGACTAAGT 1171

DB 2327 TACATGCAGCTATGGGAATTTAAATACATATTTTGTGTTTCCAGTGCAGGATGACTAAGT 2386

QY 1172 CCTTTATCCCTCCCTTTGTTGTTGATTTTTTCCAGTATAAAGTTTAAATGCTTAGCCTT 1231

DB 2387 CCTTTATCCCTCCCTTTGTTGTTGATTTTTTCCAGTATAAAGTTTAAATGCTTAGCCTT 2446

QY 1232 GTACTGAGGCTGTATACAG-CACAGCCCTCCCATCCCTCCAGCTTATCTGTCATCAC 1290

DB 2447 GTACTGAGGCTGTATACAGCCACAGCCCTCTCCCATCCCTCCAGCTTATCTGTCATCAC 2506

QY 1291 CATCAACCCCTCCCATNYSACCTAAACAAAACTTAACCTGTGAATTCCTTGAACATGTGAG 1350

DB 2507 CATCAACCCCTCCCATG-CACCTAAACAAAACTTAACCTGTGAATTCCTTGAACATGTGAG 2565

QY 1351 GNCATACATTTTCTGCTGCTGAGAAAGCTCTTCTGCTCTCTTAATCTTAAATCTAGAAATGATG 1410

DB 2566 G-CATACATATTTCTGCTGCTGAGAAAGCTCTTCTGCTCTCTTAAATCTAGAAATGATG 2624

QY 1411 TAAAGTTTTGAAATAGTTGACTATCTTACTTTCATGCAAGGAAGGACACATATGAGATTC 1470

DB 2625 TAAAGTTTTGAAATAGTTGACTATCTTACTTTCATGCAAGGAAGGACACATATGAGATTC 2684

QY 1471 ATCATCATGAGACAGCAAAATACATAAAGTGAATTTGATTATAGAGTTTAGATAAAT 1530

DB 2685 ATCATCATGAGACAGCAAAATACATAAAGTGAATTTGATTATAGAGTTTAGATAAAT 2744

QY 1531 ATATGAATGCAAGKCCACAGAGGGAATGTTATGGGCGACGTTTGTAAAGCTGGGATG 1590

DB 2745 ATATGAATGCAAGKCCACAGAGGGAATGTTATGGGCGACGTTTGTAAAGCTGGGATG 2804

QY 1591 TGAAGMAAAGGCGAGGAACCTCATAGTATCTTATATATATCTTCTATCTCT 1650

DB 2805 TGAAGMAAAGGCGAGGAACCTCATAGTATCTTATATATATCTTCTATCTCT 2864

QY 1651 ATCAAAATATCAACAAAGCTTTTTCACAGAAATTCATGAGTGCAAATCCCAAGGTAACC 1710

DB 2865 ATCAAAATATCAACAAAGCTTTTTCACAGAAATTCATGAGTGCAAATCCCAAGGTAACC 2924

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DB 2925 TTTATCCATTTTCATGAGTGGCTTTAGAAATTTTGGCAAAATCATACTGCTCACTTATC 2984

QY 1771 TCAACTTTGAGATGTTGTTGCTTGTAGTTAAATGAAAGAAATAGGGCACTCTTGTGAG 1830

DB 2985 TCAACTTTGAGATGTTGTTGCTTGTAGTTAAATGAAAGAAATAGGGCACTCTTGTGAG 3044

QY 1831 CCACCTTTAGGGTTCACTCTCGGCAATAAAGAAATTTACAAAGA 1872

DB 3045 CCACCTTTAGGGTTCACTCTCGGCAATAAAGAAATTTACAAAGA 3086

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US-09-895-793-468
; Sequence 468, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Poy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-895-793-468

Query Match          92.9%; Score 1739.2; DB 9; Length 3112;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1771; Conservative 4; Mismatches 3; Indels 3; Gaps 3;

QY 92  TCACAGAGGTGAGAAATAGAAAGGCTGCTGACCTTTACCATCTGAGGCCACACATCTGCTG 151
DB 1307 TAAATAGGTGAGAAATAGAAAGGCTGCTGACCTTTACCATCTGAGGCCACACATCTGCTG 1366
QY 152  AAATGAGATATTAACATCACTAGAAACAGCAGAGATGACATATATATCTTAAGTAGTG 211
DB 1367 AAATGAGATATTAACATCACTAGAAACAGCAGAGATGACATATATATCTTAAGTAGTG 1426
QY 212  ACATGTTTTTGACATTTCCAGCCCTTTTAAATATCCACACACAGGAAAGCACAAAGG 271
DB 1427 ACATGTTTTTGACATTTCCAGCCCTTTTAAATATCCACACACAGGAAAGCACAAAGG 1486
QY 272  AAGCAGAGATCCCTGGAGAAATCCCGGGCGCCATCTTGGGTATCGATGAGCCTCG 331
DB 1487 AAGCAGAGATCCCTGGAGAAATCCCGGGCGCCATCTTGGGTATCGATGAGCCTCG 1546
QY 332  CCTGTGCTGCTCCGCTTGTGAGGAGGACATTTAGAAATGAATGATGTTCTCTT 391
DB 1547 CCTGTGCTGCTCCGCTTGTGAGGAGGACATTTAGAAATGAATGATGTTCTCTT 1606
QY 392  AAAGGATGGCAGGAAACAGATCTCTGTTGTGGATATTTATTTGAACGGGATTAACAGATT 451
DB 1607 AAAGGATGGCAGGAAACAGATCTCTGTTGTGGATATTTATTTGAACGGGATTAACAGATT 1666
QY 452  TGAATGAAGTCAAAAGTGAGCATTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTGA 511
DB 1667 TGAATGAAGTCAAAAGTGAGCATTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTGA 1726
QY 512  TGGCTTCAACAGCATGCAACAAACAAATGGAATGATCTGTGATGATGATGAGGAGCCCAAG 571
DB 1727 TGGCTTCAACAGCATGCAACAAACAAATGGAATGATCTGTGATGATGATGAGGAGCCCAAG 1786
QY 572  CTGGGGAGGAGATAACACAGGGGAGAGGGTCAAGGATCTTGGCCCTGCTGCCTAAACTGT 631
DB 1787 CTGGGGAGGAGATAACACAGGGGAGAGGGTCAAGGATCTTGGCCCTGCTGCCTAAACTGT 1846
QY 632  GCGTTCAACAAATCAATTCATATTTCTAACCCCTCAAAACAAAGAGCTGTTGTAATATCT 691
DB 1847 GCGTTCAACAAATCAATTCATATTTCTAACCCCTCAAAACAAAGAGCTGTTGTAATATCT 1906
QY 692  GATCTCTACGGTTCCTTCTGGGCCCAACATCTCCATATATCCAGCCACACATCATTTTAA 751
DB 1907 GATCTCTACGGTTCCTTCTGGGCCCAACATCTCCATATATCCAGCCACACATCATTTTAA 1966
QY 752  ATATTTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGATAATCAATTAATCT 811
DB 1967 ATATTTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGATAATCAATTAATCT 2026
QY 812  TTGTTCAAAGACCCCTTCGTGTTGCTGCCTTAATATGATGATGATGATGATGATGATGAT 871
DB 2027 TTGTTCAAAGACCCCTTCGTGTTGCTGCCTTAATATGATGATGATGATGATGATGATGAT 2086
QY 872  GTTCTGGCCCGAGGGATCTGTCAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTA 931
DB 2087 GTTCTGGCCCGAGGGATCTGTCAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTA 2146
QY 932  TACTTACTAGCACACAGCATGATCAATACGGAGTGAATTAATCAATCAACATCACTCTCA 991
DB 2147 TACTTACTAGCACACAGCATGATCAATACGGAGTGAATTAATCAATCAACATCACTCTCA 2206
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DB 2207 GTGCTTTGGCCCATCTGAAATTCATTTCCCACTTTTGCCCATCTCTCAAGACCTCAAA 2266
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DB 2267 ATGTCATTCCTTAATATCAAGGATTAACCTTTTAACTTTTAACTTGAAGAAATTCATCT 2326
QY 1112 TACATGAGCTATGGAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1171
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DB 2566 G-CATACATTAATCTCTGCTGAGAGCTCTTCCCTGCTCTCTTAATCTAGAAATGATG 2624
QY 1411 TAAAGTTTGAATAAGTTGATCTTACTTCAACAAAGAGGACACATATGAGATTTC 1470
DB 2625 TAAAGTTTGAATAAGTTGATCTTACTTCAACAAAGAGGACACATATGAGATTTC 2684
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DB 2805 TGAAGAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2864
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QY 1711 TTTATCCATTTTCATGGTGAGTGGCTTTTAGAAATTTTGGCAAAATCATACTGGTCACCTTATC 1770
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QY 1771 TCAACTTTTGAGATGTGTTTGTCTTGTAGTTAATTGAAAAGAAATAGGGCACTCTTGTGAG 1830
Db |||||||
2985 TCACTTTGAGATGTGTTTGTCTTGTAGTTAATTGAAAAGAAATAGGGCACTCTTGTGAG 3044
QY 1831 CCACTTTAGGGTTCACTCTCGCAATAAAGAAATTTTACAAAGA 1872
Db |||||||
3045 CCACTTTAGGGTTCACTCTCGCAATAAAGAAATTTTACAAAGA 3086

Search completed: August 23, 2005, 20:52:44
Job time : 2196.17 secs

Result No.	Score	Query		DB	ID	Description	
		Match	Length				
1	21.6	1.2	47	4	US-09-422-978-2855	Sequence 2855, Ap	
2	21.2	1.1	47	3	US-09-345-882-63	Sequence 63, Appl	
3	21	1.1	50	4	US-09-554-929-3	Sequence 3, Appl	
C	4	20.8	1.1	47	4	US-09-422-978-3012	Sequence 3012, Ap
	5	20.8	1.1	47	4	US-09-422-978-3116	Sequence 3116, Ap
	6	20.4	1.1	47	4	US-09-422-978-1035	Sequence 1035, Ap
C	7	20.4	1.1	49	1	US-08-379-928A-5	Sequence 5, Appl
	8	20.2	1.1	47	4	US-09-422-978-71	Sequence 71, Appl
	9	20.2	1.1	48	3	US-08-853-217-24	Sequence 24, Appl
10	20.2	1.1	48	3	US-09-636-735A-6	Sequence 6, Appl	
11	20	1.1	47	4	US-09-422-978-2561	Sequence 2561, Ap	
12	20	1.1	47	4	US-09-422-978-3692	Sequence 3692, Ap	
13	19.8	1.1	49	4	US-09-866-028-89	Sequence 89, Appl	
14	19.8	1.1	50	4	US-09-944-457-89	Sequence 89, Appl	
15	19.8	1.1	49	4	US-09-554-929-42	Sequence 42, Appl	
16	19.6	1.0	47	3	US-09-345-882-42	Sequence 42, Appl	
17	19.6	1.0	47	4	US-09-422-978-523	Sequence 523, App	
18	19.6	1.0	47	4	US-09-422-978-790	Sequence 790, App	
19	19.6	1.0	47	4	US-09-422-978-884	Sequence 884, App	
20	19.6	1.0	47	4	US-09-422-978-3643	Sequence 3643, Ap	
21	19.6	1.0	50	1	US-08-088-658-46	Sequence 46, Appl	
22	19.6	1.0	50	2	US-08-471-907A-46	Sequence 46, Appl	
C	23	19.6	1.0	50	4	US-09-849-069-18	Sequence 18, Appl
	24	19.6	1.0	50	4	US-09-442-054A-46	Sequence 46, Appl
	25	19.6	1.0	50	4	US-09-442-054A-77	Sequence 77, Appl
26	19.4	1.0	47	4	US-09-422-978-1976	Sequence 1976, Ap	
27	19.4	1.0	47	4	US-09-422-978-3702	Sequence 3702, Ap	


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; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/111,909
; PRIOR FILING DATE: 1998-12-10
; NUMBER OF SEQ ID NOS: 140
; SOFTWARE: Patent.pm
; SEQ ID NO 63
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 1..47
; OTHER INFORMATION: polymorphic fragment 5-140-120, variant version of SEQ ID42
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: base T ; C in SEQ ID42
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..23
; OTHER INFORMATION: potential microsequencing oligo 5-140-120.mis1
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 25..47
; OTHER INFORMATION: complement potential microsequencing oligo 5-140-120.mis2
US-09-345-882-63

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Query Match      1.1%; Score 21.2; DB 3; Length 47;
Best Local Similarity 69.0%; Pred. No. 1.9e+04;
Matches 29; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

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QY 1064 TAATATCAGGATTAACCTTTTTTTTAACTCGGAAGAATT 1105
DB 6 TCGATAAATTACGACATACCTTTTCTTAACCTAGATAAAT 47

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RESULT 3
US-09-554-929-3
; Sequence 3, Application US/09554929
; Patent No. 6521427
; GENERAL INFORMATION:
; APPLICANT: Evans, Glen A.
; TITLE OF INVENTION: A Method for the Complete Chemical
; FILE REFERENCE: P-EA 4749
; CURRENT APPLICATION NUMBER: US/09/554,929
; CURRENT FILING DATE: 2000-05-12
; NUMBER OF SEQ ID NOS: 193
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide
US-09-554-929-3

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Query Match      1.1%; Score 21; DB 4; Length 50;
Best Local Similarity 66.7%; Pred. No. 2.3e+04;
Matches 30; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

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QY 1499 AAATACTAAAGTGAATTTGATTATAAGAGTTTAGATAAATATA 1533
DB 5 AAAAAATGAATTTGAAATGAATTTAGAAATTCGCTTAAATAAA 49

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RESULT 4
US-09-422-978-3012/c
; Sequence 3012, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta

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; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 3012
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-21666-96 : polymorphic base C or A
US-09-422-978-3012

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Query Match      1.1%; Score 20.8; DB 4; Length 47;
Best Local Similarity 70.0%; Pred. No. 2.5e+04;
Matches 28; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

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QY 252 CACACAGGAAGCACAAAAGGAAGCACAGAGATCCCTGGGA 291
DB 41 CTCCTAAGAGACACAAAGKGGCACCCAGAAATTTCTGSCA 2

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RESULT 5
US-09-422-978-3116
; Sequence 3116, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 3116
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-23696-164 : polymorphic base C or T
US-09-422-978-3116

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Query Match      1.1%; Score 20.8; DB 4; Length 47;
Best Local Similarity 62.2%; Pred. No. 2.5e+04;
Matches 28; Conservative 2; Mismatches 15; Indels 0; Gaps 0;

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QY 1287 TCACCATCAACCCCTCCCATNYSACCTAAACAAAATCTAATCTGT 1331
DB 2 TCTCCATCCACCCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 46

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RESULT 6
US-09-422-978-1035
; Sequence 1035, Application US/09422978
; Patent No. 6537751

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; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 1035
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-1944-379 : polymorphic base C or T
US-09-422-978-1035

Query Match 1.1%; Score 20.4; DB 4; Length 47;
Best Local Similarity 67.5%; Pred. No. 3.4e+04;
Matches 27; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY 1012 ATTCAATTTCCCACTTTTGCCCATCTCAAGACCTCAAA 1051
DB 8 AGTCATTTAACACTTGTGGAATATTAAATAGCAAAA 47

RESULT 7
US-09-379-926A-5/c
; Sequence 5, Application US/08379926A
; Patent No. 5783414
; GENERAL INFORMATION:
; APPLICANT: CARREZ, DIRK
; APPLICANT: ROOS, JOEL
; TITLE OF INVENTION: EXPRESSION SYSTEM, INTEGRATION
; TITLE OF INVENTION: VECTOR
; TITLE OF INVENTION: AND CELL TRANSFORMED BY THIS INTEGRATION VECTOR
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSER: OBLON, SPIVAK, MCLELLAND, MAIER &
; ADDRESSER: NEUSTADT
; STREET: 1755 S. JEFFERSON DAVIS HWY, SUITE 400
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/379,926A
; FILING DATE: 27-JAN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: BE 09400102
; FILING DATE: 28-JAN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: BE 09400586
; FILING DATE: 17-JUN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: BE 09500014
; FILING DATE: 09-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F
```

```
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 3987-13-0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 49 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "synthetic oligonucleotide"
US-08-379-926A-5

Query Match 1.1%; Score 20.4; DB 1; Length 49;
Best Local Similarity 71.1%; Pred. No. 3.4e+04;
Matches 27; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 544 AATACTGTGATGACATGAGCGCAGCCAAAGCTGGGGAGGA 581
DB 47 ATTGCTGAGGTGTAATGATGCGCGCGCTGGGGATGA 10

RESULT 8
US-09-422-978-71
; Sequence 71, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 71
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-12668-329 : polymorphic base C or T
US-09-422-978-71

Query Match 1.1%; Score 20.2; DB 4; Length 47;
Best Local Similarity 65.1%; Pred. No. 3.9e+04;
Matches 28; Conservative 1; Mismatches 14; Indels 0; Gaps 0;

QY 1827 TGAGCCACTTTAGGCTTCACCTCGCAATAAAGAAATTACAA 1869
DB 3 TCACCCCTCAGCAGATTTTCAGTCTGTGACAAAGAAATTCCAA 45

RESULT 9
US-08-853-217-24
; Sequence 24, Application US/08853217
; Patent No. 5942395
; GENERAL INFORMATION:
; APPLICANT: Fournier, Maurille J.
; APPLICANT: Samarsky, Dmitry A.
; APPLICANT: Reybeye, Gerardo
; APPLICANT: Cedergren, Robert
; TITLE OF INVENTION: HYBRID RIBOZYMES AND METHODS OF USE
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Matches 26; Conservative 1; Mismatches 11; Indels 0; Gaps 0;

Qy 1137 ACATATTGTTTTCAGTCGAAGATGACTAAGTCT 1174

Db 7 ACATACATTGGCTGGARGACAAGAGGTCTAAGTCT 44

RESULT 13

US-09-866-028-89/c

; Sequence 89, Application US/09866028

; Patent No. 6642360

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin

; APPLICANT: Botstein, David

; APPLICANT: Eaton, Dan

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gerritsen, Mary

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul

; APPLICANT: Grimaldi, Christopher

; APPLICANT: Gurney, Austin

; APPLICANT: Hillan, Kenneth

; APPLICANT: Kljavin, Ivar

; APPLICANT: Napier, Mary

; APPLICANT: Roy, Margaret

; APPLICANT: Tumas, Daniel

; APPLICANT: Wood, William

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P2548P1C1

; CURRENT APPLICATION NUMBER: US/09/866, 028

; CURRENT FILING DATE: 2001-05-25

; Prior application data removed - consult PALM or file wrapper

; NUMBER OF SEQ ID NOS: 120

; SEQ. ID NO 89

; LENGTH: 49

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Synthetic oligonucleotide probe

US-09-866-028-89

Query Match 1.1%; Score 19.8; DB 4; Length 49;

Best Local Similarity 63.8%; Pred. No. 5.2e+04;

Matches 30; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

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Db 48 TCTTTTGAGGCAATCTGACTAGCACAGACGCTTAGTGTCAAGAG 2

RESULT 14

US-09-944-457-89/c

; Sequence 89, Application US/09944457

; Patent No. 6734288

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin

; APPLICANT: Botstein, David

; APPLICANT: Eaton, Dan

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gerritsen, Mary

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul

; APPLICANT: Grimaldi, Christopher

; APPLICANT: Gurney, Austin

; APPLICANT: Hillan, Kenneth

; APPLICANT: Kljavin, Ivar

; APPLICANT: Napier, Mary

; APPLICANT: Roy, Margaret

; APPLICANT: Tumas, Daniel

; APPLICANT: Wood, William

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P2548P1C1

; CURRENT APPLICATION NUMBER: US/09/944, 457

; CURRENT FILING DATE: 2001-09-26

; PRIOR APPLICATION NUMBER: 09/866, 028

; PRIOR FILING DATE: 2001-05-25

; PRIOR APPLICATION NUMBER: 60/067, 411

; PRIOR FILING DATE: December 3, 1997

; PRIOR APPLICATION NUMBER: 60/069, 334

; PRIOR FILING DATE: December 11, 1997

; PRIOR APPLICATION NUMBER: 60/069, 335

; PRIOR FILING DATE: December 11, 1997

; PRIOR APPLICATION NUMBER: 60/069, 278

; PRIOR FILING DATE: December 11, 1997

; PRIOR APPLICATION NUMBER: 60/069, 425

; PRIOR FILING DATE: December 12, 1997

; PRIOR APPLICATION NUMBER: 60/069, 696

; PRIOR FILING DATE: December 16, 1997

; PRIOR APPLICATION NUMBER: 60/069, 694

; PRIOR FILING DATE: December 16, 1997

; PRIOR APPLICATION NUMBER: 60/069, 702

; PRIOR FILING DATE: December 16, 1997

; PRIOR APPLICATION NUMBER: 60/069, 870

; PRIOR FILING DATE: December 17, 1997

; PRIOR APPLICATION NUMBER: 60/069, 873

; PRIOR FILING DATE: December 17, 1997

; PRIOR APPLICATION NUMBER: 60/068, 017

; PRIOR FILING DATE: December 18, 1997

; PRIOR APPLICATION NUMBER: 60/070, 440

; PRIOR FILING DATE: January 5, 1998

; PRIOR APPLICATION NUMBER: 60/074, 086

; PRIOR FILING DATE: February 9, 1998

; PRIOR APPLICATION NUMBER: 60/074, 092

; PRIOR FILING DATE: February 9, 1998

; PRIOR APPLICATION NUMBER: 60/075, 945

; PRIOR FILING DATE: February 25, 1998

; PRIOR APPLICATION NUMBER: 60/112, 850

; PRIOR FILING DATE: December 16, 1998

; PRIOR APPLICATION NUMBER: 60/113, 296

; PRIOR FILING DATE: December 22, 1998

; PRIOR APPLICATION NUMBER: 60/146, 222

; PRIOR FILING DATE: July 28, 1999

; PRIOR APPLICATION NUMBER: PCT/US98/19330

; PRIOR FILING DATE: September 16, 1998

; PRIOR APPLICATION NUMBER: PCT/US98/25108

; PRIOR FILING DATE: December 1, 1998

; PRIOR APPLICATION NUMBER: 09/216, 021

; PRIOR FILING DATE: December 16, 1998

; PRIOR APPLICATION NUMBER: 09/218, 517

; PRIOR FILING DATE: December 22, 1998

; PRIOR APPLICATION NUMBER: 09/254, 311

; PRIOR FILING DATE: March 3, 1999

; PRIOR APPLICATION NUMBER: PCT/US99/12252

; PRIOR FILING DATE: June 22, 1999

; PRIOR APPLICATION NUMBER: PCT/US99/21090

; PRIOR FILING DATE: September 15, 1999

; PRIOR APPLICATION NUMBER: PCT/US99/28409

; PRIOR FILING DATE: No. 6734288ember 30, 1999

; PRIOR APPLICATION NUMBER: PCT/US99/28313

; PRIOR FILING DATE: No. 6734288ember 30, 1999

; PRIOR APPLICATION NUMBER: PCT/US99/28301

; PRIOR FILING DATE: December 1, 1999

; PRIOR APPLICATION NUMBER: PCT/US99/30095

; PRIOR FILING DATE: December 16, 1999

; PRIOR APPLICATION NUMBER: PCT/US00/03565

; PRIOR FILING DATE: February 11, 2000

; PRIOR APPLICATION NUMBER: PCT/US00/04414

; PRIOR FILING DATE: February 22, 2000

; PRIOR APPLICATION NUMBER: PCT/US00/05841

; PRIOR FILING DATE: March 2, 2000

; PRIOR APPLICATION NUMBER: PCT/US00/08439

; PRIOR FILING DATE: March 30, 2000

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OM nucleic - nucleic search, using sw model

Run on: August 23, 2005, 18:10:39 ; Search time 1937.55 Seconds
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6277.132 Million cell updates/sec

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Perfect score: 1872
Sequence: 1 agaagtcgcatcagaaaa.....caataagaattacaaga 1872

Scoring table: IDENTITY NUC
Gapop 10_0 , Gapext 1.0

Searched: 7316285 seqs, 3248459403 residues

Total number of hits satisfying chosen parameters: 8303704

Minimum DB seq length: 10
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA.*

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20: /cgn2_6/ptodata/2/pubpna/US10H_PUBCOMB.seq.*
21: /cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq.*
22: /cgn2_6/ptodata/2/pubpna/US10J_PUBCOMB.seq.*
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25: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
c 1	50	2.7	50	10	US-09-996-953-4
c 2	50	2.7	50	24	US-11-085-060-4
c 3	40	2.1	40	22	US-10-880-425A-14
4	34	1.8	34	22	US-10-880-425A-28
5	33	1.8	33	22	US-10-880-425A-35
6	31	1.7	31	22	US-10-880-425A-32
7	30	1.6	30	22	US-10-880-425A-13
					Sequence 4, Appli
					Sequence 4, Appli
					Sequence 14, Appl
					Sequence 28, Appl
					Sequence 35, Appl
					Sequence 32, Appl
					Sequence 13, Appl

Query Match 2.7%; Score 50; DB 10; Length 50;

Best Local Similarity 100.0%; Pred. No. 0.0038;

Matches 50; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

c 8	28.8	1.5	50	22	US-10-880-425A-36	Sequence 36, Appl
9	28.4	1.5	38	22	US-10-880-425A-31	Sequence 31, Appl
10	26.4	1.4	30	22	US-10-880-425A-15	Sequence 15, Appl
11	26	1.4	26	10	US-09-957-708-40	Sequence 40, Appl
c 12	26	1.4	26	22	US-10-880-425A-40	Sequence 40, Appl
c 13	25.2	1.3	48	10	US-09-927-046-5039	Sequence 5039, Ap
c 14	25	1.3	25	10	US-09-957-708-39	Sequence 39, Appl
c 15	24	1.3	24	22	US-10-880-425A-25	Sequence 25, Appl
c 16	23	1.2	23	22	US-10-880-425A-26	Sequence 26, Appl
c 17	23	1.2	23	22	US-10-880-425A-38	Sequence 38, Appl
c 18	22.6	1.2	37	22	US-10-029-345A-141	Sequence 141, App
c 19	22.6	1.2	43	21	US-10-741-849-14	Sequence 14, Appl
c 20	22	1.2	22	10	US-09-996-953-2	Sequence 2, Appli
c 21	22	1.2	22	22	US-10-880-425A-46	Sequence 46, Appl
c 22	22	1.2	22	24	US-11-085-060-2	Sequence 2, Appli
c 23	22	1.2	49	20	US-10-332-522A-89	Sequence 89, Appl
c 24	21.6	1.2	47	17	US-10-349-143-2855	Sequence 2855, Ap
c 25	21.6	1.2	50	16	US-10-032-585-2037	Sequence 2037, Ap
c 26	21.4	1.1	32	18	US-10-270-176-68	Sequence 68, Appl
c 27	21.4	1.1	48	10	US-09-927-046-5025	Sequence 5025, Ap
c 28	21.2	1.1	47	15	US-10-071-179-63	Sequence 63, Appl
c 29	21.2	1.1	47	16	US-10-126-704-63	Sequence 63, Appl
c 30	21.2	1.1	50	17	US-10-131-827-2839	Sequence 2839, Ap
c 31	21.2	1.1	50	17	US-10-131-827-4348	Sequence 4348, Ap
c 32	21.2	1.1	50	17	US-10-131-827-6033	Sequence 6033, Ap
c 33	21.2	1.1	50	17	US-10-131-827-6331	Sequence 27, Appl
c 34	21	1.1	21	22	US-10-880-425A-27	Sequence 27, Appl
c 35	21	1.1	21	22	US-10-880-425A-43	Sequence 43, Appl
c 36	21	1.1	37	22	US-10-029-345A-105	Sequence 105, App
c 37	21	1.1	37	22	US-10-029-345A-137	Sequence 137, App
c 38	21	1.1	40	20	US-10-469-851-190	Sequence 190, App
c 39	21	1.1	50	16	US-10-322-360-3	Sequence 3, Appli
c 40	21	1.1	50	17	US-10-131-827-503	Sequence 503, App
c 41	21	1.1	50	17	US-10-131-827-7917	Sequence 7917, Ap
c 42	20.8	1.1	47	17	US-10-349-143-3012	Sequence 3012, Ap
c 43	20.8	1.1	47	17	US-10-349-143-3116	Sequence 3116, Ap
c 44	20.8	1.1	47	18	US-10-333-429-18	Sequence 18, Appl
c 45	20.6	1.1	40	20	US-10-469-851-189	Sequence 189, App

ALIGNMENTS

RESULT 1

US-09-996-953-4/c
; Sequence 4, Application US/09996953
; Publication No. US20030165850A1
; GENERAL INFORMATION:
; APPLICANT: Russemaekers, Marion J.
; APPLICANT: Verhaegh, Gerald
; APPLICANT: Schalken, Jack A.
; TITLE OF INVENTION: Nucleic Acid Molecules Comprising The Promoter For
; TITLE OF INVENTION: PCA3d3, A New Prostate Antigen, And Uses Thereof
; FILE REFERENCE: 1619.0100000
; CURRENT APPLICATION NUMBER: US/09/996,953
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: JP 2001-164963
; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: CA 2,357,073
; PRIOR FILING DATE: 2001-09-07
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-09-996-953-4

QY 33 TTGTGGCTGCAGCCGAGGAGACAGGAGATCTGCATGTGGGAAGG 82
 Db 50 TTGTGGCTGCAGCCGAGGAGACAGGAGATCTGCATGTGGGAAGG 1

RESULT 2

US-11-085-060-4/c
 ; Sequence 4, Application US/11085060
 ; Publication No. US20050158792A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bussemakers, Marion J.
 ; APPLICANT: Verhaegh, Gerald
 ; APPLICANT: Schalken, Jack A.
 ; TITLE OF INVENTION: Nucleic Acid Molecules Comprising The Promoter For
 ; TITLE OF INVENTION: PCA3dd3, A New Prostate Antigen, And Uses Thereof
 ; FILE REFERENCE: 1619.0100000
 ; CURRENT APPLICATION NUMBER: US/11/085,060
 ; CURRENT FILING DATE: 2005-03-22
 ; PRIOR APPLICATION NUMBER: US/09/996,953
 ; PRIOR FILING DATE: 2001-11-30
 ; PRIOR APPLICATION NUMBER: JP 2001-164963
 ; PRIOR FILING DATE: 2001-05-31
 ; PRIOR APPLICATION NUMBER: CA 2,357,073
 ; PRIOR FILING DATE: 2001-09-07
 ; NUMBER OF SEQ ID NOS: 8
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 4
 ; LENGTH: 50
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Oligonucleotide
 US-11-085-060-4

Query Match 2.7%; Score 50; DB 24; Length 50;
 Best Local Similarity 100.0%; Pred. No. 0.0038;
 Matches 50; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 33 TTGTGGCTGCAGCCGAGGAGACAGGAGATCTGCATGTGGGAAGG 82
 Db 50 TTGTGGCTGCAGCCGAGGAGACAGGAGATCTGCATGTGGGAAGG 1

RESULT 3

US-10-880-425A-14
 ; Sequence 14, Application US/10880425A
 ; Publication No. US20050164223A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Schalken, Jack A.
 ; APPLICANT: Smit, Frank
 ; APPLICANT: Hessels, Daphne
 ; APPLICANT: Verhaegh, Gerald
 ; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
 ; TITLE OF INVENTION: and Kits Therefor
 ; FILE REFERENCE: 1619.0190000/JAG/CMB
 ; CURRENT APPLICATION NUMBER: US/10/880,425A
 ; CURRENT FILING DATE: 2004-06-30
 ; PRIOR APPLICATION NUMBER: CA 2,432,365
 ; PRIOR FILING DATE: 2003-06-30
 ; NUMBER OF SEQ ID NOS: 46
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 14
 ; LENGTH: 40
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Synthetic Construct
 US-10-880-425A-14

Query Match 2.1%; Score 40; DB 22; Length 40;
 Best Local Similarity 100.0%; Pred. No. 1.17;
 Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGAAGCTGGCATCAGAAAAACAGAGGGAGATTTGTGTGG 40
 Db 1 AGAAGCTGGCATCAGAAAAACAGAGGGAGATTTGTGTGG 40

RESULT 4

US-10-880-425A-28
 ; Sequence 28, Application US/10880425A
 ; Publication No. US20050164223A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Schalken, Jack A.
 ; APPLICANT: Smit, Frank
 ; APPLICANT: Hessels, Daphne
 ; APPLICANT: Verhaegh, Gerald
 ; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
 ; TITLE OF INVENTION: and Kits Therefor
 ; FILE REFERENCE: 1619.0190000/JAG/CMB
 ; CURRENT APPLICATION NUMBER: US/10/880,425A
 ; CURRENT FILING DATE: 2004-06-30
 ; PRIOR APPLICATION NUMBER: CA 2,432,365
 ; PRIOR FILING DATE: 2003-06-30
 ; NUMBER OF SEQ ID NOS: 46
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 28
 ; LENGTH: 34
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Synthetic Construct
 US-10-880-425A-28

Query Match 1.8%; Score 34; DB 22; Length 34;
 Best Local Similarity 100.0%; Pred. No. 64;
 Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 90 GATACAGAGGTGAGAAATAAGAAAGGCTGCTGAC 123
 Db 1 GATACAGAGGTGAGAAATAAGAAAGGCTGCTGAC 34

RESULT 5

US-10-880-425A-35
 ; Sequence 35, Application US/10880425A
 ; Publication No. US20050164223A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Schalken, Jack A.
 ; APPLICANT: Smit, Frank
 ; APPLICANT: Hessels, Daphne
 ; APPLICANT: Verhaegh, Gerald
 ; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
 ; TITLE OF INVENTION: and Kits Therefor
 ; FILE REFERENCE: 1619.0190000/JAG/CMB
 ; CURRENT APPLICATION NUMBER: US/10/880,425A
 ; CURRENT FILING DATE: 2004-06-30
 ; PRIOR APPLICATION NUMBER: CA 2,432,365
 ; PRIOR FILING DATE: 2003-06-30
 ; NUMBER OF SEQ ID NOS: 46
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 35
 ; LENGTH: 33
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Synthetic Construct
 US-10-880-425A-35

Query Match 1.8%; Score 33; DB 22; Length 33;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 33; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 258 GGAAGCACAAGGAGGAGAGATCCCTGGG 290

Db 1 GGAGGACAAAAGGAGACACAGAGATCCCTGGG 33

RESULT 6
US-10-880-425A-32
; Sequence 32, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US/10/880,425A
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 32
; LENGTH: 31
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-32

Query Match 1.7%; Score 31; DB 22; Length 31;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 262 GCACAAAAGGAGACACAGAGATCCCTGGGGAG 292
Db 1 GCACAAAAGGAGACACAGAGATCCCTGGGGAG 31

RESULT 7
US-10-880-425A-13
; Sequence 13, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US/10/880,425A
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 13
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-13

Query Match 1.6%; Score 30; DB 22; Length 30;
Best Local Similarity 100.0%; Pred. No. 7.1e+02;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGAAGCTGGCATCAGAAAAACAGAGGGGAG 30
Db 1 AGAAGCTGGCATCAGAAAAACAGAGGGGAG 30

RESULT 8
US-10-880-425A-36/c
; Sequence 36, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US/10/880,425A
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 36
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-36

Query Match 1.5%; Score 28.8; DB 22; Length 50;
Best Local Similarity 93.8%; Pred. No. 2e+03;
Matches 30; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 306 CCATCTTGGTCATCGATGAGCCTGCCCTGT 337
Db 50 CCATCTTGGTCATCGATGAGCCTGCCCTAT 19

RESULT 9
US-10-880-425A-31
; Sequence 31, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: US/10/880,425A
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 31
; LENGTH: 38
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-31

Query Match 1.5%; Score 28.4; DB 22; Length 38;
Best Local Similarity 96.7%; Pred. No. 2.2e+03;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 94 CAGAGGTGAGAAATAAGAAAGCTCTCTGAC 123
Db 9 CAGGGGTGAGAAATAAGAAAGCTCTCTGAC 38

RESULT 10
US-10-880-425A-15
; Sequence 15, Application US/10880425A

```
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; PRIOR FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 15
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-15

Query Match          1.4%; Score 26.4; DB 22; Length 30;
Best Local Similarity 96.4%; Pred. No. 6.7e+03;
Matches 27; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 94 CAGAGGTGAGAAATAAGAAAGGCTGCTG 121
Db 3 CAGGGGTGAGAAATAAGAAAGGCTGCTG 30

RESULT 11
US-09-957-708-40
; Sequence 40, Application US/09957708
; Publication No. US20030031678A1
; GENERAL INFORMATION:
; APPLICANT: Sun, Yongming
; APPLICANT: Recipon, Herve
; APPLICANT: Caffferkey, Robert
; APPLICANT: Ali, Shujath
; TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific
; FILE REFERENCE: DEX-0239
; CURRENT APPLICATION NUMBER: US/09/957,708
; CURRENT FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/233,746
; PRIOR FILING DATE: 2000-09-19
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 40
; LENGTH: 26
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-957-708-40

Query Match          1.4%; Score 26; DB 10; Length 26;
Best Local Similarity 100.0%; Pred. No. 7.9e+03;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 113 AGGCTGCTGACATTTACCAATCTGAGGC 138
Db 1 AGGCTGCTGACATTTACCAATCTGAGGC 26

RESULT 12
US-10-880-425A-40/c
; Sequence 40, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
```

```
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 40
; LENGTH: 26
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-40

Query Match          1.4%; Score 26; DB 22; Length 26;
Best Local Similarity 100.0%; Pred. No. 7.9e+03;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 389 CTTAAAGGATGGCGCAGGAAACAGAT 414
Db 26 CTTAAAGGATGGCGCAGGAAACAGAT 1

RESULT 13
US-09-927-046-5039/c
; Sequence 5039, Application US/09927046
; Publication No. US20030064946A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc
; APPLICANT: McSwiggen, Jim
; APPLICANT: Thompson, Jim
; APPLICANT: McKenzie, Tim
; APPLICANT: Ayers, Dave
; APPLICANT: Grupe, Andrew
; APPLICANT: Szymkowski, Edmund
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Calcium Activated Chloric
; FILE REFERENCE: 249/021
; CURRENT APPLICATION NUMBER: US/09/927,046
; CURRENT FILING DATE: 2001-08-09
; NUMBER OF SEQ ID NOS: 5450
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5039
; LENGTH: 48
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Enzymatic Nucleic Acid
US-09-927-046-5039

Query Match          1.3%; Score 25.2; DB 10; Length 48;
Best Local Similarity 71.7%; Pred. No. 1.8e+04;
Matches 33; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 49 GAGGAGACACGAGGAAGATCTCGATGGTGGGAAGGACCTGTGATGATAC 94
Db 48 GACGGAGACCGGACGATGCTCTTGAGGGAGTAACCTCCTCTGATAC 3

RESULT 14
US-09-957-708-39/c
; Sequence 39, Application US/09957708
; Publication No. US20030031678A1
; GENERAL INFORMATION:
; APPLICANT: Sun, Yongming
; APPLICANT: Recipon, Herve
; APPLICANT: Caffferkey, Robert
```

APPLICANT: Ali, Shujath
TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific

FILE REFERENCE: DEX-0239

CURRENT APPLICATION NUMBER: US/09/957,708

PRIOR FILING DATE: 2001-09-19

PRIOR APPLICATION NUMBER: 60/233,746

PRIOR FILING DATE: 2000-09-19

NUMBER OF SEQ ID NOS: 40

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 39

LENGTH: 25

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Synthetic

US-09-957-708-39

Query Match 1.3%; Score 25; DB 10; Length 25;

Best Local Similarity 100.0%; Pred. No. 1.4e+04;

Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 169 ATCACTAGAAACAGCAAGATGACAA 193

DB 25 ATCACTAGAAACAGCAAGATGACAA 1

RESULT 15

US-10-880-425A-25

Sequence 25, Application US/10880425A

Publication No. US20050164223A1

GENERAL INFORMATION:

APPLICANT: Schalken, Jack A.

APPLICANT: Smit, Frank

APPLICANT: Hessel, Daphne

APPLICANT: Verhaegh, Gerald

TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,

FILE REFERENCE: 1619.0190000/JAG/CMB

CURRENT APPLICATION NUMBER: US/10/880,425A

CURRENT FILING DATE: 2004-06-30

PRIOR FILING DATE: 2003-06-30

NUMBER OF SEQ ID NOS: 46

SOFTWARE: PatentIn version 3.2

SEQ ID NO 25

LENGTH: 24

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Synthetic Construct

US-10-880-425A-25

Query Match 1.3%; Score 24; DB 22; Length 24;

Best Local Similarity 100.0%; Pred. No. 2.6e+04;

Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 87 GATGATACAGAGGTGAGAAATAG 110

DB 1 GATGATACAGAGGTGAGAAATAG 24

Search completed: August 25, 2005, 00:56:05

Job time : 1938.55 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: August 23, 2005, 11:37:16 ; Search time 178.484 Seconds
(without alignments)
7517.466 Million cell updates/sec

Title: US-09-402-713C-4

Perfect score: 820

Sequence: 1 agaagctggcatcagaaaaa.....cattactcatttgttcaaa 820

Scoring table: IDENTITY NUC

Gapop 10_0 , Gapext 1.0

Searched: 1202784 seqs, 81813359 residues

Total number of hits satisfying chosen parameters: 1200126

Minimum DB seq length: 10

Maximum DB seq length: 50

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA.*

1: /cgn2_6/ptodata/1/ina/5A-COMB.seq.*

2: /cgn2_6/ptodata/1/ina/5B-COMB.seq.*

3: /cgn2_6/ptodata/1/ina/6A-COMB.seq.*

4: /cgn2_6/ptodata/1/ina/6B-COMB.seq.*

5: /cgn2_6/ptodata/1/ina/PTUS-COMB.seq.*

6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	20.8	2.5	47	4	US-09-422-978-3012
C 2	20.4	2.5	49	1	US-08-379-926A-5
C 3	20.2	2.5	48	2	US-08-853-217-24
C 4	20.2	2.5	48	3	US-09-636-735A-6
C 5	20	2.4	47	4	US-09-422-978-2561
C 6	19.6	2.4	47	4	US-09-422-978-523
C 7	19.6	2.4	47	4	US-09-422-978-3643
C 8	19.4	2.4	47	4	US-09-422-978-1976
C 9	19.2	2.3	25	4	US-09-396-196G-121545
C 10	19.2	2.3	47	3	US-09-641-638-825
C 11	19.2	2.3	47	4	US-09-422-978-4326
C 12	19.2	2.3	47	4	US-09-422-978-3188
C 13	19.2	2.3	47	4	US-10-170-097-825
C 14	19.2	2.3	47	3	US-09-390-867A-33
C 15	19.2	2.3	50	3	US-09-548-260-33
C 16	19	2.3	47	4	US-09-671-317-683
C 17	19	2.3	47	4	US-09-422-978-2052
C 18	18.8	2.3	29	4	US-09-304-233-248
C 19	18.8	2.3	39	3	US-09-262-773-161
C 20	18.8	2.3	47	4	US-09-422-978-657
C 21	18.8	2.3	47	4	US-09-422-978-3740
C 22	18.6	2.3	42	1	US-07-832-905B-39
C 23	18.6	2.3	42	2	US-08-700-757-39
C 24	18.6	2.3	45	1	US-08-450-257-21
C 25	18.6	2.3	45	1	US-08-450-246-21
C 26	18.6	2.3	45	1	US-08-450-098-21
C 27	18.6	2.3	45	1	US-08-451-233-21

Sequence 21, Appl
Sequence 21, Appl
Sequence 15, Appl
Sequence 3052, Ap
Sequence 3067, Ap
Sequence 2, Appl
Sequence 21, Appl
Sequence 21, Appl
Sequence 21, Appl
Sequence 21, Appl
Sequence 25, Appl
Sequence 9, Appl
Sequence 10, Appl
Sequence 9, Appl
Sequence 10, Appl
Sequence 185, App
Sequence 185, App
Sequence 10, Appl

1 US-08-450-236-21
2 US-08-235-403-21
3 US-08-477-831C-15
4 US-09-422-978-3052
5 US-09-422-978-3067
6 US-08-420-443-2
7 US-09-181-183-21
8 US-09-280-040-21
9 US-09-277-700-21
10 US-09-874-585D-21
11 US-08-853-217-25
12 US-09-326-157-9
13 US-09-326-157-10
14 US-10-135-755-9
15 US-10-135-755-10
16 US-09-060-299-185
17 US-09-402-923A-185
18 US-08-119-773-10

ALIGNMENTS

RESULT 1

US-09-422-978-3012/c

; Sequence 3012, Application US/09422978

; Patent No. 6537751

; GENERAL INFORMATION:

; APPLICANT: Cohen, Daniel

; APPLICANT: Blumenfeld, Marta

; APPLICANT: Chumakov, Ilya

; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...

; FILE REFERENCE: GENSET.020CPI

; CURRENT APPLICATION NUMBER: US/09/422,978

; CURRENT FILING DATE: 1999-10-20

; EARLIER APPLICATION NUMBER: US 09/298,850

; EARLIER FILING DATE: 1999-04-21

; EARLIER APPLICATION NUMBER: US 60/109,732

; EARLIER FILING DATE: 1998-11-23

; EARLIER APPLICATION NUMBER: US 60/082,614

; EARLIER FILING DATE: 1998-04-21

; NUMBER OF SEQ ID NOS: 11796

; SEQ ID NO 3012

; LENGTH: 47

; TYPE: DNA

; ORGANISM: Homo Sapiens

; FEATURE:

; NAME/KEY: allele

; LOCATION: 24

; OTHER INFORMATION: 99-21666-96 : polymorphic base C or A

US-09-422-978-3012

Query Match 2.5%; Score 20.8; DB 4; Length 47;

Best Local Similarity 70.0%; Pred No. 1e+04; 12; Indels 0; Gaps 0;

Matches 28; Conservative 0; Mismatches 12;

QY 252 CACACAGGAAGCAGCAAGGAGGACAGATCCCTGGGA 291

Db 41 CTCTAAGGAGCAGCAAGGAGGACAGCAAGGAGGACAGATCCCTGGGA 2

RESULT 2

US-08-379-926A-5/c

; Sequence 5, Application US/08379926A

; Patent No. 5783414

; GENERAL INFORMATION:

; APPLICANT: CARREZ, DIRK

; APPLICANT: ROOS, JOEL

; TITLE OF INVENTION: EXPRESSION SYSTEM, INTEGRATION

; TITLE OF INVENTION: VECTOR

; TITLE OF INVENTION: AND CELL TRANSFORMED BY THIS INTEGRATION VECTOR

; NUMBER OF SEQUENCES: 8

; CORRESPONDENCE ADDRESS:

ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER &
ADDRESSEE: NEUSTADT
STREET: 1755 S. JEFFERSON DAVIS HWY, SUITE 400
CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22202

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/379,926A
FILING DATE: 27-JAN-1995

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: BE 09400102
FILING DATE: 28-JAN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: BE 09400586
FILING DATE: 17-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: BE 09500014
FILING DATE: 09-JAN-1995

ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NORMAN F
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 3987-13-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220

INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "synthetic oligonucleotide"
US-08-379-926A-5

Query Match 2.5%; Score 20.4; DB 1; Length 49;
Best Local Similarity 71.1%; Pred. No. 1.4e+04;
Matches 27; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 544 ATACTGTGATGACATGAGCGAGCCAGCTGGGGAGGA 581
DB 47 ATTGCTGAGGTGTAATGATGCGCGCGCGCTGGGGATGA 10

RESULT 3
US-08-853-217-24
Sequence 24, Application US/08853217
Patent No. 5942395
GENERAL INFORMATION:
APPLICANT: Fournier, Maurille J.
APPLICANT: Samarsky, Dmitry A.
APPLICANT: Feybeyre, Gerardo
APPLICANT: Cedergren, Robert
TITLE OF INVENTION: HYBRID RIBOZYMES AND METHODS OF USE
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: US
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible

OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/853,217
FILING DATE: 09-MAY-1997

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:

ATTORNEY/AGENT INFORMATION:
NAME: Fasse, Peter J.
REGISTRATION NUMBER: 32,983
REFERENCE/DOCKET NUMBER: 07880/034001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
TELEX: 200154

INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 48 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-08-853-217-24

Query Match 2.5%; Score 20.2; DB 2; Length 48;
Best Local Similarity 68.3%; Pred. No. 1.6e+04;
Matches 28; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 486 GAGGAAAACAGACGAGAAAATCTTGATGGCTTCAAGACA 526
DB 1 GTGAGAAACCGCGCGATGATCTTGATGGGTACAAATGGCA 41

RESULT 4
US-09-636-735A-6
Sequence 6, Application US/09636735A
Patent No. 6416956
GENERAL INFORMATION:
APPLICANT: Berg, Patricia
TITLE OF INVENTION: No. 6416956el Transcription Factor, BPI
FILE REFERENCE: 179.37405X00
CURRENT APPLICATION NUMBER: US/09/636.735A
CURRENT FILING DATE: 2000-08-11
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn version 3.0
SEQ ID NO 6
LENGTH: 48
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(48)
OTHER INFORMATION: synthesized oligonucleotide
US-09-636-735A-6

Query Match 2.5%; Score 20.2; DB 3; Length 48;
Best Local Similarity 68.3%; Pred. No. 1.6e+04;
Matches 28; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 414 TCCTGTTGTGGATATTTTGAACGGGATTACAGATTGA 454
DB 2 TCTTTTAATGGATATTTTCAATAATAATAAAATTAGA 42

RESULT 5
US-09-422-978-2561/c
Sequence 2561, Application US/09422978
Patent No. 6537751
GENERAL INFORMATION:
APPLICANT: Cohen, Daniel
APPLICANT: Blumenfeld, Marta

```
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 3643
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-8679-371 : polymorphic base T or G
; US-09-422-978--3643

Query Match      2.4%; Score 19.6; DB 4; Length 47;
Best Local Similarity 63.6%; Pred.No. 2.5e+04;
Matches 28; Conservative 1; Mismatches 15; Indels 0; Gaps 0;

Qy    470 TGAGCATTACCATGAGAGAGAAAACAGACGAGAAAAATCTTGATG 513
Db    45 TCAGTTTTACAGATGAGAAAAAAGTTTAGAAAAAGTTGAATG 2

RESULT 8
US-09-422-978-1976
; Sequence 1976, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 1976
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-7744-255 : polymorphic base G or C
; US-09-422-978-1976

Query Match      2.4%; Score 19.4; DB 4; Length 47;
Best Local Similarity 66.7%; Pred.No. 2.9e+04;
Matches 26; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

Qy    662 AACCCCTCAAACAAGTGTGTGAATATCTCGATCTCTAC 700
Db    8 AGCCTCCAAGAGAGASTATTGAAGAGGTTATATCTAC 46

RESULT 9
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This Page Blank (uspto)

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: August 23, 2005, 18:10:39 ; Search time 848.711 Seconds
(without alignments)
6277.132 Million cell updates/sec

Title: US-09-402-713C-4
Perfect score: 820
Sequence: 1 agagctggcgcagaaaa.....cattactatttgcataa 820

Scoring table: IDENTITY NUC
Gapop 10_0 , Gapext 1.0

Searched: 7316285 seqs, 3248459403 residues

Total number of hits satisfying chosen parameters: 8303704

Minimum DB seq length: 10
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA.*

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19: /cgn2_6/ptodata/2/pubpna/US10G_PUBCOMB.seq.*
20: /cgn2_6/ptodata/2/pubpna/US10H_PUBCOMB.seq.*
21: /cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq.*
22: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq.*
23: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
24: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
25: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
c 1	50	6.1	50	10	US-09-996-953-4
c 2	50	6.1	50	24	US-11-085-060-4
c 3	40	4.9	40	22	US-10-880-425A-14
c 4	34	4.1	34	22	US-10-880-425A-28
c 5	33	4.0	33	22	US-10-880-425A-35
c 6	31	3.8	31	22	US-10-880-425A-32
c 7	30	3.7	30	22	US-10-880-425A-13

c 8	28.8	3.5	50	22	US-10-880-425A-36	Sequence 36, Appl
c 9	28.4	3.5	38	22	US-10-880-425A-31	Sequence 31, Appl
c 10	26.4	3.2	30	22	US-10-880-425A-15	Sequence 15, Appl
c 11	26	3.2	26	10	US-09-957-708-40	Sequence 40, Appl
c 12	26	3.2	26	22	US-10-880-425A-40	Sequence 40, Appl
c 13	25.2	3.1	26	22	US-09-927-046-5039	Sequence 5039, Ap
c 14	25	3.0	48	10	US-09-957-708-39	Sequence 39, Appl
c 15	24	2.9	25	24	US-10-880-425A-25	Sequence 25, Appl
c 16	23	2.8	23	22	US-10-880-425A-26	Sequence 26, Appl
c 17	23	2.8	23	22	US-10-880-425A-38	Sequence 38, Appl
c 18	22.6	2.8	37	22	US-10-029-345A-141	Sequence 141, App
c 19	22	2.7	32	22	US-09-956-953-2	Sequence 2, Appli
c 20	22	2.7	22	24	US-11-085-060-2	Sequence 2, Appli
c 21	21.4	2.6	32	18	US-10-270-176-68	Sequence 68, Appl
c 22	21.4	2.6	48	10	US-09-927-046-5025	Sequence 5025, Ap
c 23	21.2	2.6	50	17	US-10-131-827-4348	Sequence 4348, Ap
c 24	21.2	2.6	50	17	US-10-131-827-6033	Sequence 6033, Ap
c 25	21.2	2.6	50	17	US-10-131-827-6331	Sequence 6331, Ap
c 26	21	2.6	21	22	US-10-880-425A-27	Sequence 27, Appl
c 27	21	2.6	37	22	US-10-029-345A-105	Sequence 105, App
c 28	21	2.6	37	22	US-10-029-345A-137	Sequence 137, App
c 29	21	2.6	40	20	US-10-469-851-190	Sequence 190, App
c 30	21	2.6	50	17	US-10-131-827-503	Sequence 503, App
c 31	21	2.6	50	17	US-10-131-827-7917	Sequence 7917, Ap
c 32	20.8	2.5	47	17	US-10-349-143-3012	Sequence 3012, Ap
c 33	20.8	2.5	47	18	US-10-333-429-18	Sequence 18, Appl
c 34	20.6	2.5	40	20	US-10-469-851-189	Sequence 189, App
c 35	20.6	2.5	50	17	US-10-131-827-7842	Sequence 7842, Ap
c 36	20.4	2.5	39	9	US-09-834-760-2	Sequence 2, Appli
c 37	20.4	2.5	48	10	US-09-927-046-5217	Sequence 5217, Ap
c 38	20.2	2.5	25	22	US-10-843-527-44356	Sequence 44356, A
c 39	20.2	2.5	25	22	US-10-843-527-193821	Sequence 193821,
c 40	20.2	2.5	40	13	US-10-027-632-176733	Sequence 176733,
c 41	20.2	2.5	40	17	US-10-027-632-176733	Sequence 176733,
c 42	20.2	2.5	41	21	US-10-928-626-11	Sequence 11, Appl
c 43	20.2	2.5	48	16	US-10-143-897-6	Sequence 6, Appli
c 44	20.2	2.5	49	13	US-10-027-632-176753	Sequence 176753,
c 45	20.2	2.5	49	17	US-10-027-632-176753	Sequence 176753,

ALIGNMENTS

RESULT 1

US-09-996-953-4/c
; Sequence 4, Application US/09996953
; Publication No. US20030165850A1
; GENERAL INFORMATION:
; APPLICANT: Bussemakers, Marion J.
; APPLICANT: Verhaegh, Gerald
; APPLICANT: Schalken, Jack A.
; TITLE OF INVENTION: Nucleic Acid Molecules Comprising The Promoter For
; TITLE OF INVENTION: PCA3dd3, A New Prostate Antigen, And Uses Thereof
; FILE REFERENCE: 1619.010000
; CURRENT APPLICATION NUMBER: US/09/996,953
; CURRENT FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: JP 2001-164963
; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: CA 2,357,073
; PRIOR FILING DATE: 2001-09-07
; NUMBER OF SEQ ID NOS: 8
; SEQ ID NO 4
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-09-996-953-4

Query Match 6.1%; Score 50; DB 10; Length 50;
Best Local Similarity 100.0%; Pred.No. 0.00012;
Matches 50; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 33 TTGTGTGGCTGCAGCCGAGGGAGACCAGGAATCTGCATCGTGGGAAGG 82
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Db 50 TTGTGTGGCTGCAGCCGAGGGAGACCAGGAATCTGCATCGTGGGAAGG 1

RESULT 2

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US-11-085-060-4/c
; Sequence 4, Application US/11085060
; Publication NO. US20050158792A1
; GENERAL INFORMATION:
; APPLICANT: Bussemakers, Marion J.
; APPLICANT: Verhaegh, Gerald
; APPLICANT: Schalken, Jack A.
; TITLE OF INVENTION: Nucleic Acid Molecules Comprising The Promoter For
; TITLE OF INVENTION: PCA3dd3, A New Prostate Antigen, And Uses Thereof
; FILE REFERENCE: 1619.0100000
; CURRENT APPLICATION NUMBER: US/11/085,060
; CURRENT FILING DATE: 2005-03-22
; PRIOR APPLICATION NUMBER: US/09/996,953
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: JP 2001-164963
; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: CA 2,357,073
; PRIOR FILING DATE: 2001-09-07
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-11-085-060-4

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RESULT 3

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US-10-880-425A-14
; Sequence 14, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Heesels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 14
; LENGTH: 40
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-14

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DECIIT. T. A.

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RESULI 4
US-10-880-425A-28
; Sequence 28, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hesselts, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 28
; LENGTH: 34
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-28

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RESULT 5

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US-10-880-425A-35
; Sequence 35, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 35
; LENGTH: 33
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-35

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Db 1 GGAGACAAAAGGAAGCACAGAGATCCCTGGG 33

RESULT 6

US-10-880-425A-32
; Sequence 32, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 32
; LENGTH: 31
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-32

Query Match 3.8%; Score 31; DB 22; Length 31;
Best Local Similarity 100.0%; Pred. No. 49;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 262 GCACAAAAGGAGCACAGAGATCCCTGGGAG 292

Db 1 GCACAAAAGGAGCACAGAGATCCCTGGGAG 31

RESULT 7

US-10-880-425A-13
; Sequence 13, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 13
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-13

Query Match 3.7%; Score 30; DB 22; Length 30;
Best Local Similarity 100.0%; Pred. No. 96;
Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGAAGCTGGCATCAGAAAAACAGAGGGGAG 30

Db 1 AGAAGCTGGCATCAGAAAAACAGAGGGGAG 30

RESULT 8

US-10-880-425A-36/c
; Sequence 36, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 36
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-36

Query Match 3.5%; Score 28.8; DB 22; Length 50;
Best Local Similarity 93.8%; Pred. No. 2.9e+02;
Matches 30; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 306 CCATCTTGGTCATCATGATGAGCCTGCCCTGT 337

Db 50 CCATCTTGGTCATCATGATGAGCCTGCCCTAT 19

RESULT 9

US-10-880-425A-31
; Sequence 31, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 31
; LENGTH: 38
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-31

Query Match 3.5%; Score 28.4; DB 22; Length 38;
Best Local Similarity 96.7%; Pred. No. 3.3e+02;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 94 CAGAGGTGAGAAATAAGAAAGGCTGCTGAC 123

Db 9 CAGGGGTGAGAAATAAGAAAGGCTGCTGAC 38

RESULT 10

US-10-880-425A-15
; Sequence 15, Application US/10880425A

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; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessesels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 15
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-15

Query Match          3.2%; Score 26.4; DB 22; Length 30;
Best Local Similarity 96.4%; Pred. No. 1.2e+03;
Matches 27; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 94 CAGAGGTGAGAATAAGAAAGGCTGCTG 121
Db 3 CAGGGGTGAGAAATAGAAAGGCTGCTG 30

RESULT 11
US-09-957-708-40
; Sequence 40, Application US/09957708
; Publication No. US20030031678A1
; GENERAL INFORMATION:
; APPLICANT: Sun, Yongming
; APPLICANT: Recipon, Herve
; APPLICANT: Caferkey, Robert
; APPLICANT: Ali, Shujath
; TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific
; FILE REFERENCE: DEX-0239
; CURRENT APPLICATION NUMBER: US/09/957,708
; CURRENT FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/233,746
; PRIOR FILING DATE: 2000-09-19
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 40
; LENGTH: 26
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-957-708-40

Query Match          3.2%; Score 26; DB 10; Length 26;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 113 AGGCTGCTGACATTTACCATCTGAGGC 138
Db 1 AGGCTGCTGACATTTACCATCTGAGGC 26

RESULT 12
US-10-880-425A-40/c
; Sequence 40, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
```

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; APPLICANT: Smit, Frank
; APPLICANT: Hessesels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 40
; LENGTH: 26
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-40

Query Match          3.2%; Score 26; DB 22; Length 26;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 389 CTTAAAGCATGGCAGGAAAACAGAT 414
Db 26 CTTAAAGCATGGCAGGAAAACAGAT 1

RESULT 13
US-09-927-046-5039/c
; Sequence 5039, Application US/09927046
; Publication No. US20030064946A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyne Pharmaceuticals, Inc
; APPLICANT: McSwiggen, Jim
; APPLICANT: Thompson, Jim
; APPLICANT: McKenzie, Tim
; APPLICANT: Ayers, Dave
; APPLICANT: Grupe, Andrew
; APPLICANT: Szymkowski, Edmund
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Calcium Activated Chloric
; FILE REFERENCE: 249/021
; CURRENT APPLICATION NUMBER: US/09/927,046
; CURRENT FILING DATE: 2001-08-09
; NUMBER OF SEQ ID NOS: 5450
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5039
; LENGTH: 48
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Enzymatic Nucleic Acid
US-09-927-046-5039

Query Match          3.1%; Score 25.2; DB 10; Length 48;
Best Local Similarity 71.7%; Pred. No. 3.5e+03;
Matches 33; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 49 GAGGGAGACGAGGAAGATCTGTCATGGTGGGAGGACCTGATGATAC 94
Db 48 GACGGAGACCGGACGATGTCCTTGAAGGAGTAACCTCTGTATAC 3

RESULT 14
US-09-957-708-39/c
; Sequence 39, Application US/09957708
; Publication No. US20030031678A1
; GENERAL INFORMATION:
; APPLICANT: Sun, Yongming
; APPLICANT: Recipon, Herve
; APPLICANT: Caferkey, Robert
```


APPLICANT: Ali, Shujath
TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific
FILE REFERENCE: DEX-0239
CURRENT APPLICATION NUMBER: US/09/957,708
PRIOR FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/233,746
PRIOR FILING DATE: 2000-09-19
NUMBER OF SEQ ID NOS: 40
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 39
LENGTH: 25
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-957-708-39

Query Match 3.0%; Score 25; DB 10; Length 25;
Best Local Similarity 100.0%; Pred. No. 2.8e+03;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 169 ATCACTAGAAACAGCAAGATGACAA 193
|||||
Db 25 ATCACTAGAAACAGCAAGATGACAA 1

RESULT 15
US-10-880-425A-25
Sequence 25, Application US/10880425A
Publication No. US20050164223A1
GENERAL INFORMATION:
APPLICANT: Schalken, Jack A.
APPLICANT: Smit, Frank
APPLICANT: Hessels, Daphne
APPLICANT: Verhaegh, Gerald
TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
FILE REFERENCE: 1619.0190000/JAG/CMB
CURRENT APPLICATION NUMBER: US/10/880,425A
CURRENT FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: CA 2,432,365
PRIOR FILING DATE: 2003-06-30
NUMBER OF SEQ ID NOS: 46
SOFTWARE: PatentIn version 3.2
SEQ ID NO 25
LENGTH: 24
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic Construct
US-10-880-425A-25

Query Match 2.9%; Score 24; DB 22; Length 24;
Best Local Similarity 100.0%; Pred. No. 5.5e+03;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 87 GATGATACAGAGTGAGAAATAAG 110
|||||
Db 1 GATGATACAGAGTGAGAAATAAG 24

Search completed: August 25, 2005, 00:56:05
Job time : 848.711 secs

This Page Blank (uspto)

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 23, 2005, 11:36:42 ; Search time 172.86 Seconds
(without alignments)
7762.041 Million cell updates/sec

Title: US-09-402-713C-4

Perfect score: 820

Sequence: 1 agaagctggcatcagaaaaa.....cattactcattttgttcaaa 820

Scoring table: IDENTITY NUC

Gapop 10_0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA:*

- 1: /cgn2_6/ptodata/1/ina/5A COMB.seq:*
- 2: /cgn2_6/ptodata/1/ina/5B COMB.seq:*
- 3: /cgn2_6/ptodata/1/ina/6A COMB.seq:*
- 4: /cgn2_6/ptodata/1/ina/6B COMB.seq:*
- 5: /cgn2_6/ptodata/1/ina/PTUS COMB.seq:*
- 6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	812	99.0	812	3	US-09-439-313-471
C 2	812	99.0	812	3	US-09-352-616A-471
C 3	812	99.0	812	4	US-09-636-215-471
C 4	812	99.0	812	4	US-09-685-166A-471
C 5	812	99.0	812	4	US-09-679-426-471
C 6	812	99.0	812	4	US-09-759-143-471
C 7	810.72	98.9	812	4	US-09-651-236-471
C 8	725.8	88.5	3112	3	US-09-439-313-468
C 9	725.8	88.5	3112	3	US-09-352-616A-468
C 10	725.8	88.5	3112	4	US-09-636-215-468
C 11	725.8	88.5	3112	4	US-09-685-166A-468
C 12	725.8	88.5	3112	4	US-09-679-426-468
C 13	725.8	88.5	3112	4	US-09-759-143-468
C 14	725.8	88.5	3112	4	US-09-651-236-468
C 15	725.6	88.5	2229	3	US-09-439-313-469
C 16	725.6	88.5	2229	3	US-09-352-616A-469
C 17	725.6	88.5	2229	4	US-09-636-215-469
C 18	725.6	88.5	2229	4	US-09-685-166A-469
C 19	725.6	88.5	2229	4	US-09-679-426-469
C 20	725.6	88.5	2229	4	US-09-759-143-469
C 21	725.6	88.5	2426	3	US-09-439-313-470
C 22	725.6	88.5	2426	3	US-09-352-616A-470
C 23	725.6	88.5	2426	4	US-09-636-215-470
C 24	725.6	88.5	2426	4	US-09-685-166A-470
C 25	725.6	88.5	2426	4	US-09-679-426-470
C 26	725.6	88.5	2426	4	US-09-759-143-470
C 27	725.4	88.5	3923	4	US-09-636-215-690

28	725.4	88.5	3923	4	US-09-685-166A-690	Sequence 690, App
29	725.4	88.5	3923	4	US-09-679-426-690	Sequence 690, App
30	725.4	88.5	3923	4	US-09-759-143-690	Sequence 690, App
C 31	724.32	88.3	2229	4	US-09-651-236-469	Sequence 469, App
C 32	724.32	88.3	2426	4	US-09-651-236-470	Sequence 470, App
C 33	724.12	88.3	3923	4	US-09-651-236-690	Sequence 690, App
C 34	513.2	62.6	718	3	US-09-439-313-313	Sequence 313, App
C 35	513.2	62.6	718	3	US-09-352-616A-313	Sequence 313, App
C 36	513.2	62.6	718	3	US-09-232-149A-313	Sequence 313, App
C 37	513.2	62.6	718	4	US-09-636-215-313	Sequence 313, App
C 38	513.2	62.6	718	4	US-09-685-166A-313	Sequence 313, App
C 39	513.2	62.6	718	4	US-09-688-489-313	Sequence 313, App
C 40	513.2	62.6	718	4	US-09-679-426-313	Sequence 313, App
C 41	513.2	62.6	718	4	US-09-759-143-313	Sequence 313, App
C 42	513.2	62.6	718	4	US-09-651-236-313	Sequence 313, App
C 43	414.2	50.5	437	4	US-09-513-999C-10843	Sequence 10843, A
C 44	406.4	49.6	481	4	US-09-621-976-15110	Sequence 15110, A
C 45	288.4	35.2	301	3	US-09-439-313-287	Sequence 287, App

ALIGNMENTS

RESULT 1

US-09-439-313-471/c

; Sequence 471, Application US/09439313

; Patent No. 6329505

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan Louise

; APPLICANT: Jiang Yuqi

; APPLICANT: Reed, Steven G.

; APPLICANT: Kalos, Michael

; APPLICANT: Fanger, Gary

; APPLICANT: Retter, Mark

; APPLICANT: Solk, John

; APPLICANT: Day, Craig

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

; FILE REFERENCE: 210121.427C9

; CURRENT APPLICATION NUMBER: US/09/439,313

; CURRENT FILING DATE: 1999-11-12

; NUMBER OF SEQ ID NOS: 575

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 471

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-439-313-471

Query Match

Best Local Similarity 99.0%; Score 812; DB 3; Length 812;

Matches 812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 CTGGCATCAGAAAAACAGAGGGGAGATTGTGTGCTGCAGCCGAGGAGACGAGAACA 65

Db 812 CTGGCATCAGAAAAACAGAGGGGAGATTGTGTGCTGCAGCCGAGGAGACGAGAACA 753

Qy 66 TCTGTCATGGTGGGAAGGACCTGATGATACAGAGGTGAGAAATAAGAAAGGCTGCTGACTT 125

Db 752 TCTGTCATGGTGGGAAGGACCTGATGATACAGAGGTGAGAAATAAGAAAGGCTGCTGACTT 693

Qy 126 TACCATCTGAGGCCACACATCTGCTGAATGAGATAATTACATCATCTAGAAAAACAGCAA 185

Db 692 TACCATCTGAGGCCACACATCTGCTGAATGAGATAATTACATCATCTAGAAAAACAGCAA 633

Qy 186 GATGCAATATAATGCTTAAGTAGTGACATGTTTTTGACATTTTCCAGCCCTTTAAATA 245

Db 632 GATGCAATATAATGCTTAAGTAGTGACATGTTTTTGACATTTTCCAGCCCTTTAAATA 573

Qy 246 TCCACACACAGGAGCAAAAAGGAGACACAGATCCCTGGGAGAAATGCCCGCCG 305


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; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-636-215-471

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Query Match	99.0%;	Score 812;	DB 4;	Length 812;
Best Local Similarity	100.0%;	Pred. No. 4.2e-244;		
Matches 812;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	6	CTGSCATCAGAAAAACAGGGAGATTGTGTGGCTCCAGCCGAGGGAGACCGAGGAGA	65	
DB	812	CTGGCATCAGAAAAACAGGGGAGATTGTGTGGCTGCAGCCGAGGGAGACCGAGGAGA	753	
QY	66	TCTGTCATGTGGGAAGGACCTGTATGATACAGAGGTGAGAAATAAGAAAGGCTGCTGACTT	125	
DB	752	TCTGTCATGTGGGAAGGACCTGTATGATACAGAGGTGAGAAATAAGAAAGGCTGCTGACTT	693	
QY	126	TACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAAACATCACTAGAAAACAGCAA	185	
DB	692	TACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAAACATCACTAGAAAACAGCAA	633	
QY	186	GATGACAAATAATGCTTAAGTAGTGACATGTTTTTGGACATTTTCCAGCCCTTTAAATA	245	
DB	632	GATGACAAATAATGCTTAAGTAGTGACATGTTTTTGGACATTTTCCAGCCCTTTAAATA	573	
QY	246	TCCACACACACAGGAAGCACAAAAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCGC	305	
DB	572	TCCACACACACAGGAAGCACAAAAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCGC	513	
QY	306	CCATCTTTGGGTCACTGATGAGCCTCGCCCTGTGCTGTGCTGGTGGTGGAGGAGACA	365	
DB	512	CCATCTTTGGGTCACTGATGAGCCTCGCCCTGTGCTGTGCTGGTGGTGGAGGAGACA	453	
QY	366	TTGAAAAATGAATTGATGTGTTCTTAAAGGATGGCGAGGAAAAACAGATCTCTGTTGTGGA	425	
DB	452	TTGAAAAATGAATTGATGTGTTCTTAAAGGATGGCGAGGAAAAACAGATCTCTGTTGTGGA	393	
QY	426	TATTTATTTGAAACGGGATTACAGATTTTGAATGAAGTCACAAAGTGAGCATTTACCAATGA	485	
DB	392	TATTTATTTGAAACGGGATTACAGATTTTGAATGAAGTCACAAAGTGAGCATTTACCAATGA	333	
QY	486	GAGAAAAACAGACGAGAAAAATCTTTGATGGCTTCAACAGACATGCAACAAAAATGGAA	545	
DB	332	GAGAAAAACAGACGAGAAAAATCTTTGATGGCTTCAACAGACATGCAACAAAAATGGAA	273	
QY	546	TACTGTGATGACATGAGCGACCCAAAGCTGGGAGAGAGATAACCA CGGGGACAGGGTCAG	605	
DB	272	TACTGTGATGACATGAGCGACCCAAAGCTGGGAGAGAGATAACCA CGGGGACAGGGTCAG	213	
QY	606	GATTCGCGCCCTGCTGCCCTAAACTGTGGGTTCAATAACCAATCAATTTCTATACCTAAC	665	
DB	212	GATTCGCGCCCTGCTGCCCTAAACTGTGGGTTCAATAACCAATCAATTTCTATACCTAAC	153	
QY	666	CTCAAAACAAGCTGTGTAATATCTGATCTCTACGGTTCCCTCTGGGCCCAACATCTC	725	
DB	152	CTCAAAACAAGCTGTGTAATATCTGATCTCTACGGTTCCCTCTGGGCCCAACATCTC	93	
QY	726	CATATATCCAGCCACACTCAATTTTAAATATTAGTTCCAGATCTGTACTGTGACCTTTC	785	
DB	92	CATATATCCAGCCACACTCAATTTTAAATATTAGTTCCAGATCTGTACTGTGACCTTTC	33	
QY	786	TACACTGTAGATAAACATTAATCTCAATTTTGTTC	817	
DB	32	TACACTGTAGATAAACATTAATCTCAATTTTGTTC	1	

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RESULT 4
US-09-685-166A-471/c
; Sequence 471, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685,166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: Fast-SEQ for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-685-166A-471

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Query Match.	99.0%;	Score 812;	DB 4;	Length 812;
Best Local Similarity	100.0%;	Pred. No. 4.2e-244;		
Matches 812;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	6	CTGCGATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCCGACGGAGACACAGGAAGA	65	
Db	812	CTGCGATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCCGACGGAGACACAGGAAGA	753	
Qy	66	TCTGCGATGTTGGGAAGACCTGATGATACAGAGGTGAGAAATAAGAAAGGCTGCTGCACTT	125	
Db	752	TCTGCGATGTTGGGAAGACCTGATGATACAGAGGTGAGAAATAAGAAAGGCTGCTGCACTT	693	
Qy	126	TACCATCTGAGGCCACACATCTGCTGCGTGAATGGAGATAAATTAACATCACTAGAAAAACAGAA	185	
Db	692	TACCATCTGAGGCCACACATCTGCTGGAATGGAGATAAATTAACATCACTAGAAAAACAGAA	633	
Qy	186	GATGACAAATAATGCTTAAGTAGTGACATGTTTTTTCGACATTTCCAGCCCTTTAAATA	245	
Db	632	GATGACAAATAATGCTTAAGTAGTGACATGTTTTTTCGACATTTCCAGCCCTTTAAATA	573	
Qy	246	TCCACACACACAGGAAGCACAAAAGGAAGCACACAGAGATCCCTGGGAGAAATGCCCGGCG	305	
Db	572	TCCACACACACAGGAAGCACAAAAGGAAGCACACAGAGATCCCTGGGAGAAATGCCCGGCG	513	
Qy	306	CCATCTTGGGTTCATCGATGAGCCTCGCCCTGTGCTGCTCCGCTGTGAGGGAGGACA	365	
Db	512	CCATCTTGGGTTCATCGATGAGCCTCGCCCTGTGCTGCTCCGCTGTGAGGGAGGACA	453	
Qy	366	TTAGAAATGAATTGATGTGTTCTTAAAGGATGGGCAGGAAACAGATCTCTGTTGTGGA	425	
Db	452	TTAGAAATGAATTGATGTGTTCTTAAAGGATGGGCAGGAAACAGATCTCTGTTGTGGA	393	
Qy	426	TATTTATTTTCAACGGGATTACAGATTTTGAATGAAGTCACAAAGTGAGCATTTACCAATGA	485	
Db	392	TATTTATTTTCAACGGGATTACAGATTTTGAATGAAGTCACAAAGTGAGCATTTACCAATGA	333	
Qy	486	GAGGAAAAACAGACGAGAAAAATCTTTGATGGGTTTCAACAGACATGCAACAAAACAAATGAA	545	


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: CURRENT FILING DATE: 2011-01-12
: NUMBER OF SEQ ID NOS: 934
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO: 471
: LENGTH: 812
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-759-143-471

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Query Match	99.0%;	Score 812;	DB 4;	Length 812;
Best Local Similarity	100.0%;	Prod. No. 4.2e-244;		
Matches 812;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	6	CTGGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAAGCCGAGGGAGACACGAGGAAGA	65	
DB	812	CTGGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAAGCCGAGGGAGACACGAGGAAGA	753	
QY	66	TCTGCATGTTGGGAAGAACCTGATGATACAGAGGTGAGAAATAAGAAAGGCTGCTGACTT	125	
DB	752	TCTGCATGTTGGGAAGAACCTGATGATACAGAGGTGAGAAATAAGAAAGGCTGCTGACTT	693	
QY	126	TACCATCTGAGGCCACACATCTGCTGAAATCGAGATAATTAAACATCACTAGAAAAACAGCAA	185	
DB	692	TACCATCTGAGGCCACACATCTGCTGAAATCGAGATAATTAAACATCACTAGAAAAACAGCAA	633	
QY	186	GATGACAATAATAATGCTAAAGTAGTGACATGTTTTTGCACATTTCCAGCCCCTTTAAATA	245	
DB	632	GATGACAATAATAATGCTAAAGTAGTGACATGTTTTTGCACATTTCCAGCCCCTTTAAATA	573	
QY	246	TCCACACACACAGGAAGCAGAAAAGGAAGCAGAGATCCCTGGAGAAATGCCCGGCGC	305	
DB	572	TCCACACACACAGGAAGCAGAAAAGGAAGCAGAGATCCCTGGAGAAATGCCCGGCGC	513	
QY	306	CCATCTTTGGGTCATPCGATGAGCCTCGCCCTGTGCTGGTCCGCTTGTGAGGGAAGGACA	365	
DB	512	CCATCTTTGGGTCATPCGATGAGCCTCGCCCTGTGCTGGTCCGCTTGTGAGGGAAGGACA	453	
QY	366	TTAGAAATGAATTTGATGTGTTCTTAAAGATGGGACAGAAAACAGATCCTGTGTTGGGA	425	
DB	452	TTAGAAATGAATTTGATGTGTTCTTAAAGATGGGACAGAAAACAGATCCTGTGTTGGGA	393	
QY	426	TATTTATTTCAAACGGGATTAACAGATTTTGAATGAAGTACAAAAGTGAGCATTTACCAATGA	485	
DB	392	TATTTATTTGGAACGGGATTAACAGATTTTGAATGAAGTACAAAAGTGAGCATTTACCAATGA	333	
QY	486	GAGGAAAAACAGACGAGAAAAATCTTTGATGGCTTCAACAGACATGCAACAAAAATGGAA	545	
DB	332	GAGGAAAAACAGACGAGAAAAATCTTTGATGGCTTCAACAGACATGCAACAAAAATGGAA	273	
QY	546	TACTGTGATCACATGAGGCACCAAGCTGGGGAGGATACACACGGGGCAGAGGGTCAG	605	
DB	272	TACTGTGATCACATGAGGCACCAAGCTGGGGAGGATACACACGGGGCAGAGGGTCAG	213	
QY	606	GATTTCTGGCCCTGCTGCTAAACGTGCGTTTCATAACCAAAATCATTTTCATATTTCTAAC	665	
DB	212	GATTTCTGGCCCTGCTGCTAAACGTGCGTTTCATAACCAAAATCATTTTCATATTTCTAAC	153	
QY	666	CTCAAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTTCTCTTCTGGGCCCAACATTTCT	725	
DB	152	CTCAAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTTCTCTTCTGGGCCCAACATTTCT	93	
QY	726	CATATATCCAGCCACACTCATTTTTTAATATTTAGTTCCAGATCTGTACTGTGACCTTTTC	785	
DB	92	CATATATCCAGCCACACTCATTTTTTAATATTTAGTTCCAGATCTGTACTGTGACCTTTTC	33	
QY	786	TACACTGTAGATAAACATTAATCTACTCATTTTGTTC	817	
DB	32	TACACTGTAGATAAACATTAATCTACTCATTTTGTTC	1	

RESULT 7
US-09-651-236-471/c
; Sequence 471, Application US/09651236

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; Patent No. 6818751
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651,236
; CURRENT FILING DATE: 2000-08-29
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-651-236-471

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Query Match	98.9%	Score 810.72	DB 4	Length 812
Best Local Similarity	100.0%	Pred. No. 1.1e-243		
Matches 812	Conservative 0	Mismatches 0	Indels 0	Gaps 0
QY	6	CTGGCATCAGAAAAACAGAGGGGAGATTTCTGTGGCTGCGAGCCGAGGGAGACACGAGGAAGA	65	
Db	812	CTGGCATCAGAAAAACAGAGGGGAGATTTCTGTGGCTGCGAGCCGAGGGAGACACGAGGAAGA	753	
QY	66	TCTGCATGTGGAAAGGAACCTGATGATACAGAGGTGAGAAATTAAGAAAGGCTGCTGACTTT	125	
Db	752	TCTGCATGTGGAAAGGAACCTGATGATACAGAGGTGAGAAATTAAGAAAGGCTGCTGACTTT	699	
QY	126	TACCATCTGAGGCCACACATCTCTGTAATGGAGATAATTAACATCACTAGAAACACGAA	185	
Db	692	TACCATCTGAGGCCACACATCTCTGTAATGGAGATAATTAACATCACTAGAAACACGAA	633	
QY	186	GATGACAAATATAATGTCTAAGTAGTGACATGTTTTTGCACATTTCCAGCCCCTTTAAATA	245	
Db	632	GATGACAAATATAATGTCTAAGTAGTGACATGTTTTTGCACATTTCCAGCCCCTTTAAATA	573	
QY	246	TCCACACACACAGGAAGCACAAAAGGAAGCACAGAGATTCCTGGGAGAAATGCCCGGCG	305	
Db	572	TCCACACACACAGGAAGCACAAAAGGAAGCACAGAGATTCCTGGGAGAAATGCCCGGCG	513	
QY	306	CCATCTTGGGTCAATGCATGAGCCTCGCCCTGTCCTGGTCCGCTTGTGAGGGAAGGACA	365	
Db	512	CCATCTTGGGTCAATGCATGAGCCTCGCCCTGTCCTGGTCCGCTTGTGAGGGAAGGACA	453	
QY	366	TTAGAAAAATGAAATTGATGTCTTCTTAAAGGATGGCAGGAAAAACAGATCCTGTGTGGA	425	
Db	452	TTAGAAAAATGAAATTGATGTCTTCTTAAAGGATGGCAGGAAAAACAGATCCTGTGTGGA	393	
QY	426	TATTTATTTGAAACGGGATTAACAGATTTGAAATGAAGTCAAAAGTGAGCATTTACCAATGA	485	
Db	392	TATTTATTTGAAACGGGATTAACAGATTTGAAATGAAGTCAAAAGTGAGCATTTACCAATGA	333	
QY	486	GAGGAAAAACAGACGAGAAATCTTGATGGCTTCCACAGACATGCAACAAACAAATGCGAA	545	
Db	332	GAGGAAAAACAGACGAGAAATCTTGATGGCTTCCACAGACATGCAACAAACAAATGCGAA	273	
QY	546	TACTGTGATGACATGAGGCAGCCAAAGCTGGGGAGGAGATAACCCAGGGGAGAGGGTCAG	605	


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Db 1487 AAGCAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGTCATCGATGAGCTCG 1546
Qy 332 CCCTGTGCTGTGCTCCGCTGTGAGGGAAGGACATTAGAAAATGAATTGATGTGTCCTT 391
Db 1547 CCCTGTGCTGTGCTCCGCTGTGAGGGAAGGACATTAGAAAATGAATTGATGTGTCCTT 1606
Qy 392 AAAGGATGGGAGGAGAAAACAGATCCCTGTGTTGGATATTTATTTGAACGGGATTACAGATT 451
Db 1607 AAAGGATGGGAGGAGAAAACAGATCCCTGTGTTGGATATTTATTTGAACGGGATTACAGATT 1666
Qy 452 TGAATGAAGTCAAAAGTGAGCATTACCAATCAGAGGAGAAAACAGACGAGAAAATCTTGA 511
Db 1667 TGAATGAAGTCAAAAGTGAGCATTACCAATCAGAGGAGAAAACAGACGAGAAAATCTTGA 1726
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Db 1727 TGGCTTTCACAGACATGCAACAAACAAAATGGAATCTGTGATGACATGAGGAGGCAAG 1786
Qy 572 CTGGGAGGAGATAACACAGGGGAGAGGTCAGGATTTCTGGCCCTGCTGCTTAAACTGT 631
Db 1787 CTGGGAGGAGATAACACAGGGGAGAGGTCAGGATTTCTGGCCCTGCTGCTTAAACTGT 1846
Qy 632 GCCTTCATACCAAAATCAATTTCTAATTTCTAACCCTCAAAACAAAGCTGTGTAATATCT 691
Db 1847 GCCTTCATACCAAAATCAATTTCTAATTTCTAACCCTCAAAACAAAGCTGTGTAATATCT 1906
Qy 692 GATCTCTACGGTTCCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTGA 751
Db 1907 GATCTCTACGGTTCCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTGA 1966
Qy 752 ATATTAGTTCAGATCTGTACTGTGACCTTTCTACCTGTAGATAAATACTACTCATTT 811
Db 1967 ATATTAGTTCAGATCTGTACTGTGACCTTTCTACCTGTAGATAAATACTACTCATTT 2026
Qy 812 TTGTTCAAA 820
Db 2027 TTGTTCAAA 2035
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RESULT 10

US-09-636-215-468

; Sequence 468, Application US/09636215

; Patent No. 6620922

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqui

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121.42717C17

; CURRENT APPLICATION NUMBER: US/09/636, 215

; NUMBER OF SEQ ID NOS: 852

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 468

; LENGTH: 3112

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-636-215-468

Query Match

Best Local Similarity 88.5%; Score 725.8; DB 4; Length 3112;

Matches 727; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy 92 TACAGAGGTGAGAAATAGAAAAGGCTGTGACTTTACCATCTGAGGCCACACATCTGCTG 151
Db 1307 TAAATAGGTGAGAAATAGAAAAGGCTGTGACTTTACCATCTGAGGCCACACATCTGCTG 1366
Qy 152 AAATGAGAGATAATTAACATCACTAGAAAACAGCAAGATGACAAATATATCTCTAAAGTAGTG 211
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Db 1427 ACATGTTTTTGACATTTTCCAGCCCTTTTAAATATCCACACACAGGAGAACACAAAAGG 1486
Qy 272 AAGCAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTCACTCGATGAGCCTCG 331
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Qy 332 CCCTGTGCTGTGCTCCGCTTGTGAGGAGGACATTTAGAAAATGAATTGATGTGTCCTT 391
Db 1547 CCCTGTGCTGTGCTCCGCTTGTGAGGAGGACATTTAGAAAATGAATTGATGTGTCCTT 1606
Qy 392 AAAGGATGGGAGGAGAAAACAGATCCCTGTGTTGGATATTTATTTGAACGGGATTACAGATT 451
Db 1607 AAAGGATGGGAGGAGAAAACAGATCCCTGTGTTGGATATTTATTTGAACGGGATTACAGATT 1666
Qy 452 TGAATGAAGTCAAAAGTGAGCATTACCAATGAGAGGAGAAAACAGACGAGAAAATCTTGA 511
Db 1667 TGAATGAAGTCAAAAGTGAGCATTACCAATGAGAGGAGAAAACAGACGAGAAAATCTTGA 1726
Qy 512 TGGCTTTCACAGACATGCAACAAACAAAATGGAATCTGTGATGACATGAGGAGGCAAG 571
Db 1727 TGGCTTTCACAGACATGCAACAAACAAAATGGAATCTGTGATGACATGAGGAGGCAAG 1786
Qy 572 CTGGGAGGAGATAACACAGGGGAGAGGTCAGGATTTCTGGCCCTGCTGCTTAAACTGT 631
Db 1787 CTGGGAGGAGATAACACAGGGGAGAGGTCAGGATTTCTGGCCCTGCTGCTTAAACTGT 1846
Qy 632 GCGTTCATAACCAAAATCAATTTCTAATTTCTAACCCTCAAAACAAAGCTGTGTAATATCT 691
Db 1847 GCGTTCATAACCAAAATCAATTTCTAATTTCTAACCCTCAAAACAAAGCTGTGTAATATCT 1906
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Qy 752 ATATTAGTTCAGATCTGTACTGTGACCTTTCTACCTGTAGATAAATACTACTCATTT 811
Db 1967 ATATTAGTTCAGATCTGTACTGTGACCTTTCTACCTGTAGATAAATACTACTCATTT 2026
Qy 812 TTGTTCAAA 820
Db 2027 TTGTTCAAA 2035
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RESULT 11

US-09-685-166A-468

; Sequence 468, Application US/09685166A

; Patent No. 6630305

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqui

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedwick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C21
CURRENT APPLICATION NUMBER: US/09/685,166A
CURRENT FILING DATE: 2000-10-10
NUMBER OF SEQ ID NOS: 898
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 468
LENGTH: 3112
TYPE: DNA
ORGANISM: Homo sapiens
US-09-685-166A-468

Query Match 88.5%; Score 725.8; DB 4; Length 3112;
Best Local Similarity 99.7%; Pred. No. 9.9e-217;
Matches 727; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 92 TACAGAGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTG 151
DB |||||
QY 1307 TAAATAGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTG 1366
DB |||||
QY 152 AAATGAGATATTAACATCACTAGAAAACAGCAAGATGACATATATGCTTAAGTAGTG 211
DB |||||
QY 1367 AAATGAGATATTAACATCACTAGAAAACAGCAAGATGACATATATGCTTAAGTAGTG 1426
DB |||||
QY 212 ACATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACACAAAAGG 271
DB |||||
QY 1427 ACATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACACAAAAGG 1486
DB |||||
QY 272 AAGCAGAGATCCCTGGAGAAATGCCCGGCCCATCTTGGGTCAATCGATGAGCCTCG 331
DB |||||
QY 1487 AAGCAGAGATCCCTGGAGAAATGCCCGGCCCATCTTGGGTCAATCGATGAGCCTCG 1546
DB |||||
QY 332 CCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 391
DB |||||
QY 1547 CCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1606
DB |||||
QY 392 AAAGGATGGCAGGAAACAGATCCCTGTTGTGGATATTTATTGAACGGGATTAACAGATT 451
DB |||||
QY 1607 AAAGGATGGCAGGAAACAGATCCCTGTTGTGGATATTTATTGAACGGGATTAACAGATT 1666
DB |||||
QY 452 TGAATGAAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAACAGACGAGAAATCTTGA 511
DB |||||
QY 1667 TGAATGAAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAACAGACGAGAAATCTTGA 1726
DB |||||
QY 512 TGGCTTCAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGAGCCCAAG 571
DB |||||
QY 1727 TGGCTTCAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGAGCCCAAG 1786
DB |||||
QY 572 CTGGGAGGAGATTAACACGGGCGAGAGGTGAGGATCTGGCCCTGCTGCTGCTGCTGCTGCTG 631
DB |||||
QY 1787 CTGGGAGGAGATTAACACGGGCGAGAGGTGAGGATCTGGCCCTGCTGCTGCTGCTGCTGCTG 1846
DB |||||
QY 632 GCGTTCAATACCAAAATCATTTTCAATTTCTAAACCCCTCAAAACAAAGCTGTTGTAATATCT 691
DB |||||
QY 1847 GCGTTCAATACCAAAATCATTTTCAATTTCTAAACCCCTCAAAACAAAGCTGTTGTAATATCT 1906
DB |||||
QY 692 GATCTCAGGTTCCCTTCTGGGCCCAACATCTTCCATATATCAGGCCACATCATTTTGA 751
DB |||||
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DB |||||
QY 752 ATATTAGTTCCAGATCTGTACTGTGACCTTTTACACTGTAGATAACATTAATCTCATT 811
DB |||||
QY 1967 ATATTAGTTCCAGATCTGTACTGTGACCTTTTACACTGTAGATAACATTAATCTCATT 2026
DB |||||

QY 812 TTGTTCAAA 820
DB 2027 TTGTTCAAA 2035
RESULT 12
US-09-679-426-468
Sequence 468, Application US/09679426
Patent No. 6759515
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqui
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedwick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C20
CURRENT APPLICATION NUMBER: US/09/679,426
CURRENT FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 895
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 468
LENGTH: 3112
TYPE: DNA
ORGANISM: Homo sapiens
US-09-679-426-468

Query Match 88.5%; Score 725.8; DB 4; Length 3112;
Best Local Similarity 99.7%; Pred. No. 9.9e-217;
Matches 727; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 92 TACAGAGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTG 151
DB |||||
QY 1307 TAAATAGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTG 1366
DB |||||
QY 152 AAATGAGATATTAACATCACTAGAAAACAGCAAGATGACATATATGCTTAAGTAGTG 211
DB |||||
QY 1367 AAATGAGATATTAACATCACTAGAAAACAGCAAGATGACATATATGCTTAAGTAGTG 1426
DB |||||
QY 212 ACATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACACAAAAGG 271
DB |||||
QY 1427 ACATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACACAAAAGG 1486
DB |||||
QY 272 AAGCAGAGATCCCTGGAGAAATGCCCGGCCCATCTTGGGTCAATCGATGAGCCTCG 331
DB |||||
QY 1487 AAGCAGAGATCCCTGGAGAAATGCCCGGCCCATCTTGGGTCAATCGATGAGCCTCG 1546
DB |||||
QY 332 CCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 391
DB |||||
QY 1547 CCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1606
DB |||||
QY 392 AAAGGATGGCAGGAAACAGATCCCTGTTGTGGATATTTATTGAACGGGATTAACAGATT 451
DB |||||
QY 1607 AAAGGATGGCAGGAAACAGATCCCTGTTGTGGATATTTATTGAACGGGATTAACAGATT 1666
DB |||||
QY 452 TGAATGAAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAACAGACGAGAAATCTTGA 511
DB |||||
QY 1667 TGAATGAAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAACAGACGAGAAATCTTGA 1726
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QY 512 TGGCTTCAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGAGCCCAAG 571
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Db 1727 TGGCTTCAAGACATGCAACAAATGGAATATCTGTGATGACATGAGGAGCAAG 1786
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Db 1787 CTGGGAGGAGATAAACAACGGGGCAGAGGTCAGGATTTCTGGCCCTGCTGCTTAAACTGT 1846
Qy 632 GCGTTCAATCAAAATCAATTTCTAATTTCTAATTTCTAATTTCTAATTTCTAATTTCT 691
Db 1847 GCGTTCAATCAAAATCAATTTCTAATTTCTAATTTCTAATTTCTAATTTCTAATTTCT 1906
Qy 692 GATCTCTAGGTTCTCTCTGGGGCCCAACATTTCTCCATATATCCAGCCACACTCAATTTTA 751
Db 1907 GATCTCTAGGTTCTCTCTGGGGCCCAACATTTCTCCATATATCCAGCCACACTCAATTTTA 1966
Qy 752 ATATTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACACTTACTCATTT 811
Db 1967 ATATTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACACTTACTCATTT 2026
Qy 812 TTGTTCAAA 820
Db 2027 TTGTTCAAA 2035

RESULT 13
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; Sequence 468, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-468

Query Match 88.5%; Score 725.8; DB 4; Length 3112;
Best Local Similarity 99.7%; Pred. No. 9.9e-217;
Matches 727; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 92 TACAGAGGTGAGAAATAAGAAAGGCTGTGACTTTTACCATTCTGAGGCCACACATCTGCTG 151
Db 1307 TAAATAGGTGAGAAATAAGAAAGGCTGTGACTTTTACCATTCTGAGGCCACACATCTGCTG 1366
Qy 152 AAATGAGATAATTAACATCACTAGAAAACAGCAAGATGACATATATATCTTAAGTAGTG 211
Db 1367 AAATGAGATAATTAACATCACTAGAAAACAGCAAGATGACATATATATCTTAAGTAGTG 1426
Qy 212 ACATGTTTTTGCATTTCCAGCCCTTTAAATATCCACACACAGGAGCAAAAGG 271
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Db 1427 ACATGTTTTTGCATTTCCAGCCCTTTAAATATCCACACACAGGAGCAAAAGG 1486
Qy 272 AAGCAGAGATCCCTGGGAGAAATCCCGGGCGGCATCTTGGGTATCGATGAGCCTCG 331
Db 1487 AAGCAGAGATCCCTGGGAGAAATCCCGGGCGGCATCTTGGGTATCGATGAGCCTCG 1546
Qy 332 CCCTGTGCTGCTCCGCTTGTGAGGAAGGACATTTAGAAAATGAATTCATGTGTCCTT 391
Db 1547 CCCTGTGCTGCTCCGCTTGTGAGGAAGGACATTTAGAAAATGAATTCATGTGTCCTT 1606
Qy 392 AAAGATGGGAGGAGAAACAGATCTGTTGTGGATATTTTATTTGAACGGGATTTACAGATT 451
Db 1607 AAAGATGGGAGGAGAAACAGATCTGTTGTGGATATTTTATTTGAACGGGATTTACAGATT 1666
Qy 452 TGAATGAAGTCACAAAGTGAGCATTACCAATGAGAGGAAACACAGACGAGAAAATCTTGA 511
Db 1667 TGAATGAAGTCACAAAGTGAGCATTACCAATGAGAGGAAACACAGACGAGAAAATCTTGA 1726
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Db 1727 TGGCTTCAAGACATGCAACAAATGGAATCTGTGATGACATGAGGAGCCCAAG 1786
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Qy 632 GCGTTCAATAACCAAAATCAATTTCTAATTTCTAACCCTCAAAAACAAAGCTGTTGTAATATCT 691
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Qy 692 GATCTCTAGGTTCTCTCTGGGGCCCAACATTTCTCCATATATCCAGCCACACTCAATTTTA 751
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Qy 752 ATATTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACACTTACTCATTT 811
Db 1967 ATATTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACACTTACTCATTT 2026
Qy 812 TTGTTCAAA 820
Db 2027 TTGTTCAAA 2035

RESULT 14
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; Sequence 468, Application US/09651236
; Patent No. 6818751
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651,236
; CURRENT FILING DATE: 2000-08-29
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
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; LENGTH: 3112									
; TYPE: DNA									
; ORGANISM: Homo sapiens									
US-09-651-236-468									
Query Match 88.5%; Score 725.8; DB 4; Length 3112;									
Best Local Similarity 99.7%; Pred. No. 9.9e-217;									
Matches 727; Conservative 0; Mismatches 2; Indels 0; Gaps 0;									
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Qy	452	TGAATGAAGTCAAAAGTGAGCATTAACCAATGAGAGGAAAAACAGACGAGAAAAATCTTGA	511						
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RESULT 15	
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; Patent No. 6329505	
; GENERAL INFORMATION:	
; APPLICANT: Xu, Jiangchun	
; APPLICANT: Dillon, Davin C.	
; APPLICANT: Mitcham, Jennifer L.	
; APPLICANT: Harlocker, Susan Louise	
; APPLICANT: Jiang Yuqi	
; APPLICANT: Reed, Steven G.	

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 - 16: /cgn2_6/ptodata/1/pubpna/US02_PUBCOMB.seq:*
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pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	812	99.0	812	9	US-09-822-827-471
5	812	99.0	812	9	US-09-895-793-471
6	812	99.0	812	9	US-09-895-814-471
7	812	99.0	812	13	US-10-012-896-471

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c	9	812	99.0	812	16	US-10-144-678A-471	Sequence 471, App
c	10	812	99.0	812	16	US-10-294-025-471	Sequence 471, App
c	11	725.8	88.5	3112	9	US-09-759-143-468	Sequence 468, App
c	12	725.8	88.5	3112	9	US-09-780-669-468	Sequence 468, App
c	13	725.8	88.5	3112	9	US-09-822-827-468	Sequence 468, App
c	14	725.8	88.5	3112	9	US-09-895-793-468	Sequence 468, App
c	15	725.8	88.5	3112	9	US-09-895-814-468	Sequence 468, App
c	16	725.8	88.5	3112	13	US-10-012-896-468	Sequence 468, App
c	17	725.8	88.5	3112	14	US-10-010-940-468	Sequence 468, App
c	18	725.8	88.5	3112	16	US-10-144-678A-468	Sequence 468, App
c	19	725.8	88.5	3112	16	US-10-294-025-468	Sequence 468, App
c	20	725.6	88.5	2229	9	US-09-759-143-469	Sequence 469, App
c	21	725.6	88.5	2229	9	US-09-780-669-469	Sequence 469, App
c	22	725.6	88.5	2229	9	US-09-822-827-469	Sequence 469, App
c	23	725.6	88.5	2229	9	US-09-895-793-469	Sequence 469, App
c	24	725.6	88.5	2229	9	US-09-895-814-469	Sequence 469, App
c	25	725.6	88.5	2229	13	US-10-012-896-469	Sequence 469, App
c	26	725.6	88.5	2229	14	US-10-010-940-469	Sequence 469, App
c	27	725.6	88.5	2229	16	US-10-144-678A-469	Sequence 469, App
c	28	725.6	88.5	2229	16	US-10-294-025-469	Sequence 469, App
c	29	725.6	88.5	2426	9	US-09-759-143-470	Sequence 470, App
c	30	725.6	88.5	2426	9	US-09-780-669-470	Sequence 470, App
c	31	725.6	88.5	2426	9	US-09-822-827-470	Sequence 470, App
c	32	725.6	88.5	2426	9	US-09-895-793-470	Sequence 470, App
c	33	725.6	88.5	2426	9	US-09-895-814-470	Sequence 470, App
c	34	725.6	88.5	2426	13	US-10-012-896-470	Sequence 470, App
c	35	725.6	88.5	2426	14	US-10-010-940-470	Sequence 470, App
c	36	725.6	88.5	2426	15	US-10-205-823-448	Sequence 448, App
c	37	725.6	88.5	2426	16	US-10-144-678A-470	Sequence 470, App
c	38	725.6	88.5	2426	16	US-10-294-025-470	Sequence 470, App
c	39	725.4	88.5	2037	22	US-10-880-425A-1	Sequence 1, Appli
c	40	725.4	88.5	3582	22	US-10-880-425A-2	Sequence 2, Appli
c	41	725.4	88.5	3923	9	US-09-759-143-690	Sequence 690, App
c	42	725.4	88.5	3923	9	US-09-780-669-690	Sequence 690, App
c	43	725.4	88.5	3923	9	US-09-822-827-690	Sequence 690, App
c	44	725.4	88.5	3923	9	US-09-895-793-690	Sequence 690, App
c	45	725.4	88.5	3923	9	US-09-895-814-690	Sequence 690, App

ALIGNMENTS

RESULT 1
US-09-957-708-3
; Sequence 3, Application US/09957708
; Publication No. US20030031678A1
; GENERAL INFORMATION:
; APPLICANT: Sun, Yongming
; APPLICANT: Recipon, Hervé
; APPLICANT: Cafferkey, Robert
; APPLICANT: Ali, Shujath
; TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific
; TITLE OF INVENTION: Genes
; FILE REFERENCE: DEX-0239
; CURRENT APPLICATION NUMBER: US/09/957,708
; CURRENT FILING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: 60/233,746
; PRIOR FILING DATE: 2000-09-19
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 3
; LENGTH: 876
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-957-708-3

Query Match 99.8%; Score 818.72; DB 10; Length 876;
Best Local Similarity 100.0%; Pred. No. 1e-235;
Matches 820; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AGAAGCTGGCATCAGAAAAACAGAGGGAGATTGTGGCTGACCGGACGACGAC 60
|||||

Db 30 AGAAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCCGAGGGAGACCAG 89
QY 61 GAAGATCTCGATGGTGGGAGGACCTGTATGATACAGAGGTGAGAAATAAGAAAGGCTGCT 120
Db 90 GAAGATCTCGATGGTGGGAGGACCTGTATGATACAGAGGTGAGAAATAAGAAAGGCTGCT 149
QY 121 GACTTTACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAAACATCACTAGAAAC 180
Db 150 GACTTTACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAAACATCACTAGAAAC 209
QY 181 ASCMAGATGACATATAATGTCTTAAGTAGTACATGTTTTTTCGACATTTCCAGCCCCCTTT 240
Db 210 AGCAAGATGACATATAATGTCTTAAGTAGTACATGTTTTTTCGACATTTCCAGCCCCCTTT 269
QY 241 AAATATCCACACACACAGGAAGCAGAAAAAGGAGACACAGAGATCCCTGGGAGAAATGCC 300
Db 270 AAATATCCACACACACAGGAAGCAGAAAAAGGAGACACAGAGATCCCTGGGAGAAATGCC 329
QY 301 GGGCGGCATCTGGGTGATCGATGAGCCTCGCCCTGTGCTGGTCCCGTCTGTGAGGGAA 360
Db 330 GGGCGGCATCTGGGTGATCGATGAGCCTCGCCCTGTGCTGGTCCCGTCTGTGAGGGAA 389
QY 361 GGACATTAGAAATGAATTAATGATGTCTTAAAGGATGGCAGGAACACAGATCTCTGT 420
Db 390 GGACATTAGAAATGAATTAATGATGTCTTAAAGGATGGCAGGAACACAGATCTCTGT 449
QY 421 GTGGATATTTATTTGAACGGGATTACAGATTTGAAATGAAGTCACAAAGTGAGCATTTACC 480
Db 450 GTGGATATTTATTTGAACGGGATTACAGATTTGAAATGAAGTCACAAAGTGAGCATTTACC 509
QY 481 AATGAGAGAAACACAGACAGAAAAATCTTTGATGGCTTCAAGAGATGCAACAAACAAAA 540
Db 510 AATGAGAGAAACACAGACAGAAAAATCTTTGATGGCTTCAAGAGATGCAACAAACAAAA 569
QY 541 TGGATACTGTGATGACATGAGCGCCCAAGCTGGGAGAGATAACCGGGGAGAGG 600
Db 570 TGGATACTGTGATGACATGAGCGCCCAAGCTGGGAGAGATAACCGGGGAGAGG 629
QY 601 GTCAGGATTTCTGGCCCTGCTGCTAACTGTCGCTTCAATGCTGCTTCAATGCTTCAATTTTC 660
Db 630 GTCAGGATTTCTGGCCCTGCTGCTAACTGTCGCTTCAATGCTGCTTCAATGCTTCAATTTTC 689
QY 661 TAAACCTCAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTTCCTCTGGGCCCAACA 720
Db 690 TAAACCTCAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTTCCTCTGGGCCCAACA 749
QY 721 TTCTCATATATCCAGCCACACTCTTTTAAATATTTAGTTCACAGATCTGACTGTGAC 780
Db 750 TTCTCATATATCCAGCCACACTCTTTTAAATATTTAGTTCACAGATCTGACTGTGAC 809
QY 781 CTTTCTACACTGTAGAATAACATTACTCATTTTGTTCAAA 820
Db 810 CTTTCTACACTGTAGAATAACATTACTCATTTTGTTCAAA 849

RESULT 2

US-09-759-143-471/c

; Sequence 471, Application US/09759143

; Patent No. US200202248A1

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqi

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12.
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-471

Query Match 99.0%; Score 812; DB 9; Length 812;

Best Local Similarity 100.0%; Pred. No. 1e-233;

Matches 812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 CTGGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCCGAGGGAGACCAGGAAGA 65
Db 812 CTGGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCCGAGGGAGACCAGGAAGA 753
QY 66 TCTGCATCGTGGGAGGACCTGTATGATACAGAGGTGAGAAATAAGAAAGGCTGCTGACTT 125
Db 752 TCTGCATCGTGGGAGGACCTGTATGATACAGAGGTGAGAAATAAGAAAGGCTGCTGACTT 693
QY 126 TACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAAACATCACTAGAAACAGCAA 185
Db 692 TACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAAACATCACTAGAAACAGCAA 633
QY 186 GATGACATATAATGTCTTAAGTAGTACATGTTTTTGCACATTTCCAGCCCTTTAAATA 245
Db 632 GATGACATATAATGTCTTAAGTAGTACATGTTTTTGCACATTTCCAGCCCTTTAAATA 573
QY 246 TCCACACACACAGGAAGCAGAAAAAGGAGACACAGAGATCCCTGGGAGAAATGCCCGGCG 305
Db 572 TCCACACACACAGGAAGCAGAAAAAGGAGACACAGAGATCCCTGGGAGAAATGCCCGGCG 513
QY 306 CCATCTGGGTCTCGATGAGCCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 365
Db 512 CCATCTGGGTCTCGATGAGCCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 453
QY 366 TTAGAAAATGAATGATGTGTTCTTAAAGGATGGCAGGAGAAACAGATCTCTGTTGTGGA 425
Db 452 TTAGAAAATGAATGATGTGTTCTTAAAGGATGGCAGGAGAAACAGATCTCTGTTGTGGA 393
QY 426 TATTTATTTGAACGGGATTACAGATTTTGAATGAAGTCACAAAGTGAGCATTTACCAATGA 485
Db 392 TATTTATTTGAACGGGATTACAGATTTTGAATGAAGTCACAAAGTGAGCATTTACCAATGA 333
QY 486 GAGGAAAACACAGAGAAAAATCTTGAATGGCTTCAAGACATGCAACAAAACAAAATGAAA 545
Db 332 GAGGAAAACACAGAGAAAAATCTTGAATGGCTTCAAGACATGCAACAAAACAAAATGAAA 273
QY 546 TACTGTGATGACATGAGCAGCAGCTGGGAGAGAGATAACCGGGGAGAGGCTCAG 605
Db 272 TACTGTGATGACATGAGCAGCAGCTGGGAGAGAGATAACCGGGGAGAGGCTCAG 213
QY 606 GATTCTGGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 665
Db 212 GATTCTGGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 153
QY 666 CTCAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTTCCTCTGGGCCCAACATTTCTC 725
Db 152 CTCAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTTCCTCTGGGCCCAACATTTCTC 93
QY 726 CATATATCCAGCCACACTCATTTTAAATATTTAGTTCACAGATCTGACTGTGACTTTTC 785
Db 92 CATATATCCAGCCACACTCATTTTAAATATTTAGTTCACAGATCTGACTGTGACTTTTC 33

[illegible]

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QY 366 TTAGAAAATGAATTGATGTTCTTAAAGGATGGCGAGGAAAAAGATCCTGTTGTGA 425
D 452 TTAGAAAATGAATTGATGTTCTTAAAGGATGGCGAGGAAAAAGATCCTGTTGTGA 393
QY 426 TATTTATTTGAACGGGATACAGATTGAAATGAAGTCAAAAGTGAGCATTTACCAATGA 485
D 392 TATTTATTTGAACGGGATACAGATTGAAATGAAGTCAAAAGTGAGCATTTACCAATGA 333
QY 486 GAGGAAAAACAGACGAGGAAATCTTGATGGCTTCACAAGACATGCAACAAACAAAATGGAA 545
D 332 GAGGAAAAACAGACGAGGAAATCTTGATGGCTTCACAAGACATGCAACAAACAAAATGGAA 273
QY 546 TACTGTGATGACATGAGGAGCAAGCTGGGAGGAGATAACACAGGGGACAGAGGTCAG 605
D 272 TACTGTGATGACATGAGGAGCAAGCTGGGAGGAGATAACACAGGGGACAGAGGTCAG 213
QY 606 GATTCCTGCGCCCTGCTGCTTAAATCTGATCTCTACGGTTCTTCTGGGCGCCCAACATTCTC 665
D 212 GATTCCTGCGCCCTGCTGCTTAAATCTGATCTCTACGGTTCTTCTGGGCGCCCAACATTCTC 153
QY 666 CTCAAAACAAAAGCTGTTGTAATCTGATCTCTACGGTTCTTCTGGGCGCCCAACATTCTC 725
D 152 CTCAAAACAAAAGCTGTTGTAATCTGATCTCTACGGTTCTTCTGGGCGCCCAACATTCTC 93
QY 726 CATATATCCAGCCACACTCATTTTAAATATTTAGTTCCAGATCTGTACTGTGACCTTTC 785
D 92 CATATATCCAGCCACACTCATTTTAAATATTTAGTTCCAGATCTGTACTGTGACCTTTC 33
QY 786 TACACTGTAGAATAACATTACTCATTTTGTTC 817
D 32 TACACTGTAGAATAACATTACTCATTTTGTTC 1
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RESULT 11

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US-09-759-143-468
; Sequence 468, Application US/09759143
; Patent No. US200202248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-468
Query Match 88.5%; Score 725.8; DB 9; Length 3112;
Best Local Similarity 99.7%; Pred. No. 2e-207;
Matches 727; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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QY 92 TACAGAGGTGAGAAATAAGAAAGGCTGCTGACTTTTCCATCTGAGGCCACACATCTGCTG 151
D 1307 TAAATAGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTG 1366
QY 152 AAATGGAGATTAATTAACATCACTAGAAAACAGCAAGATGACAAATATAATGTTCTAAGTAGTG 211
D 1367 AAATGGAGATTAATTAACATCACTAGAAAACAGCAAGATGACAAATATAATGTTCTAAGTAGTG 1426
QY 212 ACATGTTTTTGACATTTTCCAGCCCTTTTAAATATCCACACACAGCAAGAACACAAAAGG 271
D 1427 ACATGTTTTTGACATTTTCCAGCCCTTTTAAATATCCACACACAGCAAGAACACAAAAGG 1486
QY 272 AAGCACAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTTGGGGTCATCGATGAGCCCTCG 331
D 1487 AAGCACAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTTGGGGTCATCGATGAGCCCTCG 1546
QY 332 CCCTGTGCTCGTCCCGCTTGTGAGGGAAGACATTTAGAAAATGAATTTGATGTGTCTCTT 391
D 1547 CCCTGTGCTCGTCCCGCTTGTGAGGGAAGACATTTAGAAAATGAATTTGATGTGTCTCTT 1606
QY 392 AAAGGATGGGAGGAAAAACAGATCCTGTTGTGGATATTTTGTGAAACGGGATTACAGATT 451
D 1607 AAAGGATGGGAGGAAAAACAGATCCTGTTGTGGATATTTTGTGAAACGGGATTACAGATT 1666
QY 452 TGAATGAAGTCACAAAAGTGAGCATTTACCAATGAGAGAGAAAACAGACGAGAAAATCTTTGA 511
D 1667 TGAATGAAGTCACAAAAGTGAGCATTTACCAATGAGAGAGAAAACAGACGAGAAAATCTTTGA 1726
QY 512 TGGCTTCAAGACATGCAACAAAATGGAATACCTGTGATGACATGAGGAGCCCAAG 571
D 1727 TGGCTTCAAGACATGCAACAAAATGGAATACCTGTGATGACATGAGGAGCCCAAG 1786
QY 572 CTGGGAGGAGATTAACACAGGCGGAGAGGGTCAGGATTCTGGCCCTGCTGCTTAACTGT 631
D 1787 CTGGGAGGAGATTAACACAGGCGGAGAGGGTCAGGATTCTGGCCCTGCTGCTTAACTGT 1846
QY 632 GCGTTTCAATACCAATCAATTTTCAACCCCTCAAAAACAAAGCTGTTGTAATATCT 691
D 1847 GCGTTTCAATACCAATCAATTTTCAACCCCTCAAAAACAAAGCTGTTGTAATATCT 1906
QY 692 GATCTCTACGGTTCCTCTGGGCGGCAACATTTCTCATATATCCAGCCACACATCTTTTGA 751
D 1907 GATCTCTACGGTTCCTCTGGGCGGCAACATTTCTCATATATCCAGCCACACATCTTTTGA 1966
QY 752 ATATTTAGTTCAGATCTGTACTGTGACCTTTTACACTGTAGATAACATTTACTCATTT 811
D 1967 ATATTTAGTTCAGATCTGTACTGTGACCTTTTACACTGTAGATAACATTTACTCATTT 2026
QY 812 TTGTTCAAA 820
D 2027 TTGTTCAAA 2035
```

RESULT 12

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US-09-780-669-468
; Sequence 468, Application US/09780669
; Patent No. US2002005197A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
```



```

: APPLICANT: Skeiky, Yasir A.W.
: APPLICANT: Hepler, William
: APPLICANT: Hural, John
: APPLICANT: McNeill, Patricia D.
: APPLICANT: Houghton, Raymond L.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
: TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
: FILE REFERENCE: 210121.427C24
: CURRENT APPLICATION NUMBER: US/09/780,669
: CURRENT FILING DATE: 2001-02-09
: NUMBER OF SEQ ID NOS: 943
: SOFTWARE: FastSEQ for Windows Version 3.0
: SEQ ID NO 468
: LENGTH: 3112
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-780-669-468

```

Query Match	88.5%	Score	725.8	DB	9	Length	3112
Best Local Similarity	99.7%	Pred. No.	2e-207				
Matches	727	Conservative	0	Mismatches	2	Indels	0
Qy	92	TACAGAGGTGAGAAATTAAGAAAGCGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTG	151				
Db	1307	TAAATAGGTGAGAAATTAAGAAAGCGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTG	1366				
Qy	152	AAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATATAATGTCTAAGTAGTG	211				
Db	1367	AAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATATAATGTCTAAGTAGTG	1426				
Qy	212	ACATGTTTTTGCACATTTCCAGCCCTTTAAATATCACACACACAGAGACACAAAAG	271				
Db	1427	ACATGTTTTTGCATTTCCAGCCCTTTAAATATCACACACACAGAGACACAAAAG	1486				
Qy	272	AAGCACAGAGATCCCTGGGAGAAATGCCCGCCCATCTTTGGGTATCCAGATGAGCCTCG	331				
Db	1487	AAGCACAGAGATCCCTGGGAGAAATGCCCGCCCATCTTTGGGTATCCAGATGAGCCTCG	1546				
Qy	332	CCCTGTGCTGGTCCCGCTTTGTGAGGAAAGGACATTAGAAAATGAAATGTGTGTTCCCTT	391				
Db	1547	CCCTGTGCTGGTCCCGCTTTGTGAGGAAAGGACATTAGAAAATGAAATGTGTGTTCCCTT	1606				
Qy	392	AAAGGATGGCGGAGAAACACAGATCCTGTGTGGATATTTATTTGAAACGGGATTTACAGATT	451				
Db	1607	AAAGGATGGCGGAGAAACACAGATCCTGTGTGGATATTTATTTGAAACGGGATTTACAGATT	1666				
Qy	452	TGAAATGAAGTCACAAAAGTGAGCATTTACCAATGAGAGAGAAAACAGACGAGAAAATCTTTGA	511				
Db	1667	TGAAATGAAGTCACAAAAGTGAGCATTTACCAATGAGAGAGAAAACAGACGAGAAAATCTTTGA	1726				
Qy	512	TGGCTTCAAGACATCGAACAAACAAAATGGAATACTGTGATGACATGAGCGACCCAAAG	571				
Db	1727	TGGCTTCAAGACATCGAACAAACAAAATGGAATACTGTGATGACATGAGCGACCCAAAG	1786				
Qy	572	CTGGGAGGAGATAAACACCGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCCTAAACTGT	631				
Db	1787	CTGGGAGGAGATAAACACCGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCCTAAACTGT	1846				
Qy	632	CGCTTCATAACCAATCATTTCAATTTCTAACCCCTCAAAACAAAGCTGTGTGTAATATCT	691				
Db	1847	CGCTTCATAACCAATCATTTCAATTTCTAACCCCTCAAAACAAAGCTGTGTGTAATATCT	1906				
Qy	692	GATCTCTACGGTTCCTTCTGGGCCCAACATCTCCATATATCCAGCCACACTCATTTTTTA	751				
Db	1907	GATCTCTACGGTTCCTTCTGGGCCCAACATCTCCATATATCCAGCCACACTCATTTTTTA	1966				
Qy	752	ATATTTAGTTCCAGATCTGTACTGTGACCCCTTTCTACACTGTAGATAACATTTACTCATTT	811				
Db	1967	ATATTTAGTTCCAGATCTGTACTGTGACCCCTTTCTACACTGTAGATAACATTTACTCATTT	2026				
Qy	812	TTGTTTCAAA	820				
Db	2027	TTGTTTCAAA	2035				

RESULT 13

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US-09-822-827-468
; Sequence 468, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-827-468

```

Query Match	88.5%	Score 725.8	DB 9	Length 3112
Best Local Similarity	99.7%	Pred. No. 2e-207		
Matches 727	Conservative 0	Mismatches 2	Indels 0	Gaps 0
Qy	92	TACAGAGGTGAGAAATAAGAAAGCGCTGCTGACATTTACCATCTCGGGCCACACATCTGCTG	151	
Db	1307	TAATAGGTGAGAAATAAGAAAGCGCTGCTGACATTTACCATCTCGGGCCACACATCTGCTG	1366	
Qy	152	AAATGGAGATAAATTAACATCACTAGAAACAGCAAGATGACAATATAATGTCCTAAGTAGTG	211	
Db	1367	AAATGGAGATAAATTAACATCACTAGAAACAGCAAGATGACAATATAATGTCCTAAGTAGTG	1426	
Qy	212	ACATGTTTTTGGCACATTTTCAGCCCTTTAAATATCCACACACAGGAAGCAAAAAGG	271	
Db	1427	ACATGTTTTTGGCACATTTTCAGCCCTTTAAATATCCACACACAGGAAGCAAAAAGG	1486	
Qy	272	AAGCACAGAGATCCCTGGGAGAAATGCCGGCCGCCATCTTGGGTCACTCATGAGCCTCG	331	
Db	1487	AAGCACAGAGATCCCTGGGAGAAATGCCGGCCGCCATCTTGGGTCACTCATGAGCCTCG	1546	
Qy	332	CCCTGTGCCTTGTTCGCGCTTGTGAGGGAAGGACATTAGAAAAATGAATTGATGTGTTCCCTT	391	
Db	1547	CCCTGTGCCTTGTTCGCGCTTGTGAGGGAAGGACATTAGAAAAATGAATTGATGTGTTCCCTT	1606	
Qy	392	AAAGGATGGGCAGGAAAAACAGATCCTGTGTGTGGATATTTATTTGAAACGGGATTTACAGATT	451	
Db	1607	AAAGGATGGGCAGGAAAAACAGATCCTGTGTGTGGATATTTATTTGAAACGGGATTTACAGATT	1666	
Qy	452	TGAATATGAGTCAACAAGTGAGCATTTACCAATCAGAGGAAAAACAGACGAGAAATCTTGA	511	
Db	1667	TGAATATGAGTCAACAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAGAAATCTTGA	1726	
Qy	512	TGGCTTTCACAAGACATGCAACAAACAAAAATGGGAATACTGTGATGACATGAGGCAGGCCAAG	571	
Db	1727	TGGCTTTCACAAGACATGCAACAAACAAAAATGGGAATACTGTGATGACATGAGGCAGGCCAAG	1786	
Qy	572	CTGGGAGGAGATAACACAGGGGCAGAGGTACAGGATCTTGGCCCTGCTGCCCTAAACTGT	631	
Db	1787	CTGGGAGGAGATAACACAGGGGCAGAGGTACAGGATCTTGGCCCTGCTGCCCTAAACTGT	1846	
Qy	632	CGGTTTCATACCAAAATCATTTTCATATTTCTAACCCCTCAAAAACAAAGCTGTGTGAATATCT	691	
Db	1847	CGGTTTCATACCAAAATCATTTTCATATTTCTAACCCCTCAAAAACAAAGCTGTGTGAATATCT	1906	
Qy	692	GATCTCTACGGTTTCCCTTCTGGGCCCAACATTTCTCCATATATCCAGGCCACACTCATTTTTTA	751	
Db	1907	GATCTCTACGGTTTCCCTTCTGGGCCCAACATTTCTCCATATATCCAGGCCACACTCATTTTTTA	1966	
Qy	752	ATATTTAGTTCACAGATCTGTGACCTTCTTCTACACGTGTAGATAACATTTACTCATTT	811	
Db	1967	ATATTTAGTTCACAGATCTGTGACCTTCTTCTACACGTGTAGATAACATTTACTCATTT	2026	


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QY      812 TTGTTCAAA 820
Db      2027 TTGTTCAAA 2035

RESULT 14
US-09-895-793-468
; Sequence 468, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 992
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-895-793-468

Query Match      88.5%; Score 725.8; DB 9; Length 3112;
Best Local Similarity 99.7%; Pred. No. 2e-207;
Matches 727; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      92 TACAGAGGTGAGAAATAAGAAAGGCTGCTGACITTTACCATCTGAGGCCACACATCTGCTG 151
Db      1307 TAAATAGGTGAGAAATAAGAAAGGCTGCTGACITTTACCATCTGAGGCCACACATCTGCTG 1366

QY      152 AAATGAGATATTATACATCACTAGAAACAGCAGATGACATATATATCTTAAGTAGTG 211
Db      1367 AAATGAGATATTATACATCACTAGAAACAGCAGATGACATATATATCTTAAGTAGTG 1426

QY      212 ACATGTTTTTGACATTTTCAGGCCCTTTAAATATCCACACACAGGAGGACACAAAGG 271
Db      1427 ACATGTTTTTGACATTTTCAGGCCCTTTAAATATCCACACACAGGAGGACACAAAGG 1486

QY      272 AAGCAGAGATCCCTGGGAGAAATCCCGGCCGCCATCTTGGGTATCGATGAGCCTCG 331
Db      1487 AAGCAGAGATCCCTGGGAGAAATCCCGGCCGCCATCTTGGGTATCGATGAGCCTCG 1546

QY      332 CCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 391
Db      1547 CCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1606

QY      392 AAAGGATGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 451
Db      1607 AAAGGATGGCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1666
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QY      452 TGAATGAAGTCACAAAGTCAGCAATTACCAATGAGAGAGAAACAGACGAGAGAAATCTTTGA 511
Db      1667 TGAATGAAGTCACAAAGTCAGCAATTACCAATGAGAGAGAAACAGACGAGAGAAATCTTTGA 1726

QY      512 TGGCTTCAAGACATGCAACACAAATGGAATGGAATGGAATGGAATGGAATGGAATGGAATGGA 571
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QY      572 CTGGGAGGAGATAACCAACGCGGCGAGAGGGTCAGGATTCTGGCCCTGCTGGCTTAACTGT 631
Db      1787 CTGGGAGGAGATAACCAACGCGGCGAGAGGGTCAGGATTCTGGCCCTGCTGGCTTAACTGT 1846

QY      632 GCGTTTCAACCAATCAATTTTCAATTTTCAACCCCTCAAAAACAAAGCTGTTGTAATATCT 691
Db      1847 GCGTTTCAACCAATCAATTTTCAATTTTCAACCCCTCAAAAACAAAGCTGTTGTAATATCT 1906

QY      692 GATCTCTACGGTTCTCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTA 751
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QY      752 ATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATTAACATTACTCAT 811
Db      1967 ATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATTAACATTACTCAT 2026

QY      812 TTGTTCAAA 820
Db      2027 TTGTTCAAA 2035

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US-09-895-814-468
; Sequence 468, Application US/09895814
; Publication No. US20020193296A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C26
; CURRENT APPLICATION NUMBER: US/09/895,814
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-895-814-468

Query Match      88.5%; Score 725.8; DB 9; Length 3112;
Best Local Similarity 99.7%; Pred. No. 2e-207;
Matches 727; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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Qy	92	TACAGAGTGAATAAAGCGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTG	151
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Qy	152	AAATGGAGATAATTAACATCACTAGAAAACAGCAAGATGACAATATATATGTCTAAGTAGTG	211
Db	1367	AAATGGAGATAATTAACATCACTAGAAAACAGCAAGATGACAATATATATGTCTAAGTAGTG	1426
Qy	212	ACATGTTTTGCAATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAAAGG	271
Db	1427	ACATGTTTTGCAATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAAAGG	1486
Qy	272	AAGCAGAGATCCCTGGGGAATGCCCGGCCCATCTTGGGTCAATCGATGAGCCTCG	331
Db	1487	AAGCAGAGATCCCTGGGGAATGCCCGGCCCATCTTGGGTCAATCGATGAGCCTCG	1546
Qy	332	CCCTGTGCTGTGCTCCGCTTTGAGGGAAGGACATTAGAAAATGAATTGATGTTCCTT	391
Db	1547	CCCTGTGCTGTGCTCCGCTTTGAGGGAAGGACATTAGAAAATGAATTGATGTTCCTT	1606
Qy	392	AAAGGATGGCAGGAAAACAGATCCTGTGTGTGGATATTTTGAACGGGATTACAGATT	451
Db	1607	AAAGGATGGCAGGAAAACAGATCCTGTGTGTGGATATTTTGAACGGGATTACAGATT	1666
Qy	452	TGAATGAAGTCACAAAGTCAGCATTTACCAATGAGAGGAAAACAGACGAGAAAATCTTGA	511
Db	1667	TGAATGAAGTCACAAAGTCAGCATTTACCAATGAGAGGAAAACAGACGAGAAAATCTTGA	1726
Qy	512	TGCTTTACAAAGCATGCAACAAACAAATGGAATCTGTGATGACATGAGGCGAGCAAG	571
Db	1727	TGCTTTACAAAGCATGCAACAAACAAATGGAATCTGTGATGACATGAGGCGAGCAAG	1786
Qy	572	CTGGGAGGAGATAACACCGGGCAGAGGTCAGGATTTCTGGCCCTGCTGCCCTAAACTGT	631
Db	1787	CTGGGAGGAGATAACACCGGGCAGAGGTCAGGATTTCTGGCCCTGCTGCCCTAAACTGT	1846
Qy	632	GCCTTCATAACCAATCATTTTCATATTTCTAACGCTCAAAACAAAGCTGTGTATATCT	691
Db	1847	GCCTTCATAACCAATCATTTTCATATTTCTAACGCTCAAAACAAAGCTGTGTATATCT	1906
Qy	692	GATCTCTACGGTTCCCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTAA	751
Db	1907	GATCTCTACGGTTCCCTTCTGGGCCCAACATTTCTCCATATATATCCAGCCACACTCATTTTAA	1966
Qy	752	ATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTACTCATTT	811
Db	1967	ATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTACTCATTT	2026
Qy	812	TTGTTCAAA	820
Db	2027	TTGTTCAAA	2035

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Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	3497	97.6	3923	4	US-09-636-215-690
2	3497	97.6	3923	4	US-09-685-166A-690
3	3497	97.6	3923	4	US-09-679-426-690
4	3497	97.6	3923	4	US-09-759-143-690
5	3497	97.6	3923	4	US-09-651-236-690
6	1742.2	48.6	3112	3	US-09-439-313-468
7	1742.2	48.6	3112	3	US-09-352-616A-468
8	1742.2	48.6	3112	4	US-09-636-215-468
9	1742.2	48.6	3112	4	US-09-685-166A-468
10	1742.2	48.6	3112	4	US-09-679-426-468
11	1742.2	48.6	3112	4	US-09-759-143-468
12	1742.2	48.6	3112	4	US-09-651-236-468
13	1733.4	48.4	2426	3	US-09-439-313-470
14	1733.4	48.4	2426	3	US-09-352-616A-470
15	1733.4	48.4	2426	4	US-09-636-215-470
16	1733.4	48.4	2426	4	US-09-685-166A-470
17	1733.4	48.4	2426	4	US-09-679-426-470
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19	1733.4	48.4	2426	4	US-09-651-236-470
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21	1717.4	47.9	2229	3	US-09-352-616A-469
22	1717.4	47.9	2229	4	US-09-636-215-469
23	1717.4	47.9	2229	4	US-09-685-166A-469
24	1717.4	47.9	2229	4	US-09-679-426-469
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26	1717.4	47.9	2229	4	US-09-651-236-469
27	722.4	20.2	812	3	US-09-439-313-471

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C 29	722.4	20.2	812	4	US-09-636-215-471	Sequence 471, App
C 30	722.4	20.2	812	4	US-09-685-166A-471	Sequence 471, App
C 31	722.4	20.2	812	4	US-09-679-426-471	Sequence 471, App
C 32	722.4	20.2	812	4	US-09-759-143-471	Sequence 471, App
C 33	722.4	20.2	812	4	US-09-651-236-471	Sequence 471, App
C 34	457.2	12.8	718	3	US-09-439-313-313	Sequence 313, App
C 35	457.2	12.8	718	3	US-09-352-616A-313	Sequence 313, App
C 36	457.2	12.8	718	3	US-09-232-149A-313	Sequence 313, App
C 37	457.2	12.8	718	4	US-09-636-215-313	Sequence 313, App
C 38	457.2	12.8	718	4	US-09-685-166A-313	Sequence 313, App
C 39	457.2	12.8	718	4	US-09-688-489-313	Sequence 313, App
C 40	457.2	12.8	718	4	US-09-679-426-313	Sequence 313, App
C 41	457.2	12.8	718	4	US-09-759-143-313	Sequence 313, App
C 42	457.2	12.8	718	4	US-09-651-236-313	Sequence 313, App
C 43	350	9.8	481	4	US-09-621-976-15110	Sequence 15110, A
C 44	319.6	8.9	437	4	US-09-513-999C-10843	Sequence 10843, A
C 45	288.4	8.1	301	3	US-09-439-313-287	Sequence 287, App

ALIGNMENTS

RESULT 1
US-09-636-215-690
; Sequence 690, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Micham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-636-215-690

Query Match	97.6%;	Score 3497;	DB 4;	Length 3923;
Best Local Similarity	99.6%;	Pred. No. 0;		
Matches 3569;	Conservative	0;	Mismatches 10;	Indels 6; Gaps 6;
Qy	1	ACAGAGAAATAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT	60	
Db	1	ACAGAGAAATAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT	60	
Qy	61	GGTGTACCCAGGAGACACAGGAGATCTGCATGGTGGGAGGACCTGATGATACAGAG	120	
Db	61	GGTGTACCCAGGAGACACAGGAGATCTGCATGGTGGGAGGACCTGATGATACAGAG	120	
Qy	121	GAATTACACATATACCTAGTCTTTCAATGACCAACCAAGTAATAAGTCAACAGCTA	180	
Db	121	GAATTACACATATACCTAGTCTTTCAATGACCAACCAAGTAATAAGTCAACAGCTA	180	

181 GTCCGCTGTAGTCTCCTCAGTGACACAGGGCTGGATCACCATCGACGGCACTTCTCTGAG 240
181 GTCCGCTGTAGTCTCCTCAGTGACACAGGGCTGGATCACCATCGACGGCACTTCTCTGAG 240
241 TACTCAGTCAGCAAGAAAGACTACAGACATCTCAATGCGAGGGGTGAGAAATAGAAA 300
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361 TAGAAACAGCAAGATGACAATAATATGTTCTAAGTAGTGACATGTTTTGSCACATTTCCAG 420
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421 CCCCTTTAAATATCCACACACAGGAAGCAAAAGGAAGCAGACAGATCCCTGGGAGA 480
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481 AATGCCCGCCGCATCTTGGGTTCATCGATGAGCCTCGCCCTGTGCTGGTCCCGCTTGT 540
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781 GCAGAGGTCAGGATCTGCGCCCTGCTGCTAACTGCGTTCTATACCAAAATCATTTTC 840
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901 CCCAACATTTCCATATATCCAGCCACACTCAATTTTAAATATTTAGTTCCAGATCTGTA 960
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1261 GGATTAACCTTTTTTTTAACTTGAAGAAATTCATGTTTACATGAGCTATGGGAATTTA 1320
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1921 GCTTTAGAAATTTTGGCAAAATCATCTGCTCACTTCTCTCACTTTGAGATGTTTGTCC 1980
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2041 AATAAGAAATTTACAAAGAGCTACTCAGGACAGTTGTTAAGAGCTCTGTGTGTGTGT 2100
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2221 CTCAATTTCTCCAGTAAATGTGATAAATGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2280
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Db 2341 GCTACACACTGCTGACATATATTGTAGAGCACTCGCATTTGGGGTCTCTTAAGC 2400
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RESULT 2
US-09-685-166A-690
; Sequence 690, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiaangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685,166A
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-685-166A-690

Query Match 97.6%; Score 3497; DB 4; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 3569; Conservative 0; Mismatches 10; Indels 6; Gaps 6;

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DB	361	TAGAAACAGCAGATGACAAATATAATGCTTAAGTAGTGACATGTTTTTGCAATTTCCAG	420	DB	1441	AGCCTCTCCCATCCCTCCAGCCTTATCTGTCAATCAATCAACCCCTCCCATACCACT	1500
QY	421	CCCTTTAAATATCCACACACAGAGAACACAAAAGGAAGCAGAGATCCTCGGAGA	480	QY	1501	AAACAAAATCTAACTTGTGTAATTCCTTGAACATGTCAGGACATACATTTATTCCTTGTGCT	1560
DB	421	CCCTTTAAATATCCACACACAGAGAACACAAAAGGAAGCAGAGATCCTCGGAGA	480	DB	1501	AAACAAAATCTAACTTGTGTAATTCCTTGAACATGTCAGGACATACATTTATTCCTTGTGCT	1560
QY	481	AATGCCCGCCGCCATCTTGGGTGATCGGATGAGCCTCGGCCGTGCTGGTCCCGCTGT	540	QY	1561	GAGAAAGCTCTTCTTGTCTCTTTAAATCTAGAAATGATGTAAAGTTTGTGAATAGTTGACTA	1620
DB	481	AATGCCCGCCGCCATCTTGGGTGATCGGATGAGCCTCGGCCGTGCTGGTCCCGCTGT	540	DB	1561	GAGAAAGCTCTTCTTGTCTCTTTAAATCTAGAAATGATGTAAAGTTTGTGAATAGTTGACTA	1620
QY	541	GAGGAAGGACATAGAAAATGAAATGATGTGTTCTTAAAGGATGGGAGGAAACAGA	600	QY	1621	TCTTACTTTCATGCAAAAGGAGGACACATATGAGATTCATCATCATGAGACAGCAATA	1680
DB	541	GAGGAAGGACATAGAAAATGAAATGATGTGTTCTTAAAGGATGGGAGGAAACAGA	600	DB	1621	TCTTACTTTCATGCAAAAGGAGGACACATATGAGATTCATCATCATGAGACAGCAATA	1680
QY	601	TCCTGTTGGATATTTATTTGAA CGGGATTAAGATTTGAAATGAAGTCAAAAGTGAG	660	QY	1681	CTAAAAGTGTAATTTGATTTAAGATTAAGAGTTTAGATAAATATGAAATGCAAGGCCACAGA	1740
DB	601	TCCTGTTGGATATTTATTTGAA CGGGATTAAGATTTGAAATGAAGTCAAAAGTGAG	660	DB	1681	CTAAAAGTGTAATTTGATTTAAGATTAAGAGTTTAGATAAATATGAAATGCAAGGCCACAGA	1740
QY	661	CATTACCAATGAGAGGAAAACAGACGAGAAAATCTTGTGCTTCACAAGACATGCAACA	720	QY	1741	GGGAATGTTTATGGGGCACGTTTGTAAAGCCTGGGATGTGAAGCAAGGACAGGAACTTCA	1800
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DB	721	AAACAAAATGGAATATCTGTGATGACATGAGGACAGCCAAAGCTGGGGAGGATTAACACGGG	780	DB	1801	TAGTATCTTATATAATATACTTCACTTCTCTATCTATCAATATCCAAAGAGCTTTT	1860
QY	781	GCAGAGGTCAGGATCTGGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	840	QY	1861	CACAGAAATTCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGC	1920
DB	781	GCAGAGGTCAGGATCTGGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	840	DB	1861	CACAGAAATTCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGC	1920
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QY	1141	TCATTTACGAGTGAATTTATCTAATCAACATCTCAGTGTCTTGGCCATCTGAAAT	1200	QY	2221	CTCATTATCTCCAGTAAATGTAATAATGTAATAATGTAATAATGTAATAATGTAATAAT	2280
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RESULT 4

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US-09-759-143-690
; Sequence 690, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
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; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-759-143-690
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Query Match 97.6%; Score 3497; DB 4; Length 3923;

Best Local Similarity 99.6%; Pred. No. 0;

Matches 3569; Conservative 0; Mismatches 10; Indels 6; Gaps 6;

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Db 661 CATTACCAATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 720
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QY	781	GCAGAGGTCAGGATCTGGCCCTGCTGCTAAACTGCTGGTTCATAACCAAAATCATTTTC	840	1861	CACAGAAATTCATGCAATGCAAAATCCCAAGAGTAACCTTTATCCATTTTCATGGTGAGTGC	1920
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Db	901	CCCAACATCTCCATATATCCAGCCACACTCAATTTTAAATATTTAGTTCCCAAGATCTGTA	960	1981	TTGAGTTTAAATGGAAGAAATAGGGCACTCTTTGAGCCACTTTAGGGTTCACTCTGGC	2040
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QY	1141	TCATTTACGAGTGAATTTATCTAATCAACATCTCTCAGTGTCTTTGCCCATCTGNAAT	1200	2221	CTCATTTCTCCAGTAAATGATTAATGTCATCTGTTAAACATTAATAAAGTTTCAC	2280
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QY	1321	ATTACATATTTTGTTCAGTGCAAGATGACTAAGTCCCTTTATCCCTCCCTTTGTT	1380	2401	AAATACCTTGATTTAGGTTCTCAGCTGGGCTGTCATCAGGCGTTTCAGAAATTTCAA	2460
Db	1321	ATTACATATTTTGTTCAGTGCAAGATGACTAAGTCCCTTTATCCCTCCCTTTGTT	1380	2401	AAATACCTTGATTTAGGTTCTCAGCTGGGCTGTCATCAGGCGTTTCAGAAATTTCAA	2460
QY	1381	GATTTTTTTTCCAGTATAAAGTTAAATGCTTTAGCTTTGACTGAGGCTGTATACAGCAC	1440	2461	TTCTCAGCAGAAAGCAGAAATTTGAAATCCCTCATCTTTTAGGAATCAATTAAGGTTG	2520
Db	1381	GATTTTTTTTCCAGTATAAAGTTAAATGCTTTAGCTTTGACTGAGGCTGTATACAGCAC	1440	2461	TTCTCAGCAGAAAGCAGAAATTTGAAATCCCTCATCTTTTAGGAATCAATTAAGGTTG	2520
QY	1441	AGCCTCTCCCATCCCTCCAGCTTATCTGTATCACCATCAACCCCTCCCATACCACT	1500	2521	GAGAGGATTCAGACAGCTCAGGTGCTTCTCAATGTCCTGAACTTCTGTCCCTCTTTG	2580
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QY	1501	AAACAAATCTAACTGTAATTCCTTGACATGTCAGGACATATTTCTCTGCTGCT	1560	2581	TGTTTCATGGATAGTCCCAATAAATGTTATCTTTGAACTGATGCTCATAGAGAGAATA	2640
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QY	1741	GGGAAATGTTTATGGGACAGCTTTGTAAGCCTGGGATGTAAGCAAGGACGGAACCTCA	1800	2821	TCATGAGTTGAAATTTCTCCTAATTTAGGATGCTAGCTTCTGGCCATCTCTGGCTCTCTCTT	2880
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RESULT 5

US-09-651-236-690

; Sequence 690, Application US/09651236

; Patent No. 6818751

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqi

; APPLICANT: Henderson, Robert A.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121.42718C18

; CURRENT APPLICATION NUMBER: US/09/651,236

; CURRENT FILING DATE: 2000-08-29

; NUMBER OF SEQ ID NOS: 865

; SOFTWARE: PastSeq for Windows Version 3.0

; SEQ ID NO 690

; LENGTH: 3923

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-651-236-690

Query Match 97.6%; Score 3497; DB 4; Length 3923;

Best Local Similarity 99.6%; Pred. No. 0;

Matches 3569; Conservative 0; Mismatches 10; Indels 6; Gaps 6;

QY 1 ACAGAAAGAAATAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60

DB 1 ACAGAAAGAAATAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60

QY 61 GGCTGACCGGAGGAGACAGGAAGATCTGCATGGTGGGAAGGACCTGTGATACAGAG 120

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QY 121 GAATTTACAACACATATCTTAGTGTTCATGAACACCAAGATAAATAGTGAAGAGCTA 180

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Db 3538 GTGCTTGGAATCACTATCACTTTGATTTGTTTGTACAACTTT 3582
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RESULT 6

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US-09-439-313-468
; Sequence 468, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jianshun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-468
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Query Match 48.6%; Score 1742.2; DB 3; Length 3112;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1780; Conservative 0; Mismatches 8; Indels 3; Gaps 3;
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Db 2502 ATCACCATTCAACCCCTCCCAT- GCACCTAAACAAAATCTAACTGTGTAATTCCTTGAACAT 2560
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RESULT 7
US-09-352-616A-468
; Sequence 468, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-468
Query Match 48.6%; Score 1742.2; DB 3; Length 3112;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1780; Conservative 0; Mismatches 8; Indels 3; Gaps 3;
Qy 274 TCAATGGCAGGCTGAGAAATAGAAAGGCTGCTGACTTTTACATCTGAGGCCACACATC 333
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RESULT 8

US-09-636-215-468
Sequence 468, Application US/09636215

Patent No. 6620922

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqul
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.42717C17
CURRENT APPLICATION NUMBER: US/09/636,215
CURRENT FILING DATE: 2000-08-10

NUMBER OF SEQ ID NOS: 852
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 468
LENGTH: 3112
TYPE: DNA
ORGANISM: Homo sapiens
US-09-636-215-468

Query Match

Best Local Similarity 48.6%; Score 1742.2; DB 4; Length 3112;
Matches 1780; Conservative 0; Mismatches 8; Indels 3; Gaps 3;

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1362 TCCTCAATGGAGATAAATTAACATCACTAGAAAACAGCAAGATGACAATAATATGCTAAG 1421
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1482 AAAGGAACACAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTCTCATGATGAG 1541
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1542 CCTCCGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1601
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1962 TTTTAAATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTAC 2021
994 TCATTTGTTCAAGAGCCCTTGGTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1053
2022 TCATTTGTTCAAGAGCCCTTGGTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2081
1054 GGAGTGTCTGCGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTTCCAG 1113
2082 GGAGTGTCTGCGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTTCCAG 2141
1114 GGTATACTTACTAGCACAGCATGATCATTTACGGAGTGAATTAATCTAATCAACATCAT 1173
2142 GGTATACTTACTAGCACAGCATGATCATTTACGGAGTGAATTAATCTAATCAACATCAT 2201
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Db 2920 TAACCTTATCCATTCATGCTGAGTGCGCTTTAGAAATTTGGCAATCATACTGCTAC 2979
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RESULT 9

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US-09-685-166A-468
; Sequence 468, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
```

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; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685.166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-685-166A-468

Query Match 48.6%; Score 1742.2; DB 4; Length 3112;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1780; Conservative 0; Mismatches 8; Indels 3; Gaps 3;

Qy 274 TCAATGGCAGGGGTGAGAAATAAGAAAGCGTCTGACTTTTACCATCTCGAGGCCACACATC 333
Db 1302 TCACTAATATAGTGAGAAATAAGAAAGCGTCTGACTTTTACCATCTCGAGGCCACACATC 1361
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2382 TAAGTCTTTATCCCTCCCTTGTGTTGATTTTTCAGTATAAGTTAAATGCTTA 2441
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2442 GCCTTGATCTAGGCTGTATACAG CACAGCCTCTCCCATCCCTCCAGCTTATCTGTC 2501
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1473 ATCAACATCAACCCCTCCCATCCACCTAAACAAAATCTAACTGTGTAATTCCTTGAACAT 1532
Qy |||||||
2502 ATCAACATCAACCCCTCCCAT -GCACCTAAACAAAATCTAACTGTGTAATTCCTTGAACAT 2560
Db |||||||
1533 GTCAGACATACATTAATTCCTCTGCTGAGAGCTCTTCTGCTCTCTTAATCTAGAA 1592
Qy |||||||
2561 GTCAGG -CATACATTAATTCCTCTGCTGAGAGCTCTTCTGCTCTCTTAATCTAGAA 2619
Db |||||||
1593 TGAATGTAAGTTTGAATTAAGTTGACTATCTTCA TCTTCAAGCAAGAGGACACATATGA 1652
Qy |||||||
2620 TGAATGTAAGTTTGAATTAAGTTGACTATCTTCA TCTTCAAGCAAGAGGACACATATGA 2679
Db |||||||

1653 GATTTCATCATCATGAGACAGCAAAATAC TAAAAAGTGTAAATTTGATTTATAAGAGTTTGA 1712
Db |||||||
2680 GATTTCATCATCATGAGACAGCAAAATAC TAAAAAGTGTAAATTTGATTTATAAGAGTTTGA 2739
Qy |||||||
1713 TAAATATATGAATTCAGAGAGCCACAGAGGGAATCTTTATGGGCAACGTTTCTAGCCCTG 1772
Db |||||||
2740 TAAATATATGAATTCAGAGAGCCACAGAGGGAATCTTTATGGGCAACGTTTCTAGCCCTG 2799
Qy |||||||
1773 GGATGTGAAGCAAAAGGCGAGGAACCTCATAGTATCTTATATATATATATCTTCTCTA 1832
Db |||||||
2800 GGATGTGAAGCAAAAGGCGAGGAACCTCATAGTATCTTATATATATATCTTCTCTA 2859
Qy |||||||
1833 TCTCTATCAATATATCCAAAGCTTTTCA CAGAATTCATGCAAGTGC AAAATCCCAAAGG 1892
Db |||||||
2860 TCTCTATCAATATATCCAAAGCTTTTCA CAGAATTCATGCAAGTGC AAAATCCCAAAGG 2919
Qy |||||||
1893 TAACTTTTATCCATTTTCATGTTGAGTGGCTTTTGA GAATTTTGGCAAAATCATACTGTGTAC 1952
Db |||||||
2920 TAACTTTTATCCATTTTCATGTTGAGTGGCTTTTGA GAATTTTGGCAAAATCATACTGTGTAC 2979
Qy |||||||
1953 TTATCTCAACTTTGAGATGTGTTCCTTGTAGTTAAATTTGAAGAAAATAGGGCACTCTT 2012
Db |||||||
2980 TTATCTCAACTTTGAGATGTGTTCCTTGTAGTTAAATTTGAAGAAAATAGGGCACTCTT 3039
Qy |||||||
2013 GTGAGCCACTTTAGGTTTCACTCTCGGCAATTAAGAAATTTACAAGAGCTA 2063
Db |||||||
3040 GTGAGCCACTTTAGGTTTCACTCTCGGCAATTAAGAAATTTACAAGAGCAA 3090

RESULT 12

US-09-651-236-468
; Sequence 468, Application US/09651236
; Patent No. 6818751

GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi

; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REFERENCE: 210121.42718C18

CURRENT APPLICATION NUMBER: US/09/651,236
CURRENT FILING DATE: 2000-08-29
NUMBER OF SEQ ID NOS: 865

SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 468
LENGTH: 3112

TYPE: DNA

ORGANISM: Homo sapiens

US-09-651-236-468

Query Match 48.6%; Score 1742.2; DB 4; Length 3112;

Best Local Similarity 99.4%; Pred. No. 0;

Matches 1780; Conservative 0; Mismatches 8; Indels 3; Gaps 3;

Qy 274 TCAATGGCAGGGGTGAGAAATAAGAAAGCTCTGACATTTTACCATCTGAGGCCACACATC 333

Db 1302 TCACTTAATAGGTGAGAAATAAGAAAGCTCTGACATTTTACCATCTGAGGCCACACATC 1361

Qy 334 TGCTGAATGGAGATAATTAACATCACTAGAAAACAGCAAGATGACAATAATATGCTAAG 393

Db 1362 TCCTGAAATGGAGATTAATTAACATCACTAGAAACAGCAAGATGACAATAATGTCTAAG 1421
QY 394 TAGTGACATGTTTTGTCACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCACA 453
Db 1422 TAGTGACATGTTTTGTCACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCACA 1481
QY 454 AAAGGAAGCACAGAGATCCCTGGGAAATGCCCGCCGACATTTGGGTCTCATGATGAG 513
Db 1482 AAAGGAAGCACAGAGATCCCTGGGAAATGCCCGCCGACATTTGGGTCTCATGATGAG 1541
QY 514 CCTCGCCCTGTGCTGCTCCGCTTGTGAGGAAGGACATTAAGAAAATGAATGATGTGT 573
Db 1542 CCTCGCCCTGTGCTGCTCCGCTTGTGAGGAAGGACATTAAGAAAATGAATGATGTGT 1601
QY 574 TCCTTAAAGATGGGAGGAAACAGATCCCTGTGTGGATATTTATTCGAAACGGGATTAC 633
Db 1602 TCCTTAAAGATGGGAGGAAACAGATCCCTGTGTGGATATTTATTTGACGGGATTAC 1661
QY 634 AGATTGAAATGAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAACACAGAGGAAAT 693
Db 1662 AGATTGAAATGAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAACACAGAGGAAAT 1721
QY 694 CTTGATGCTTCAAGACATGCAACAAACAAATGGAATACCTGTGATGACATGAGGCGAG 753
Db 1722 CTTGATGCTTCAAGACATGCAACAAACAAATGGAATACCTGTGATGACATGAGGCGAG 1781
QY 754 CCAAGCTGGGAGGAGATACCAACAGGGGAGAGGTCAGGATTTCTGGCCCTCTCCCTAA 813
Db 1782 CCAAGCTGGGAGGAGATACCAACAGGGGAGAGGTCAGGATTTCTGGCCCTCTCCCTAA 1841
QY 814 ACTGTGCTTCATAACCAATCATTTCAATTTCTAACCCCTCAAAACAAAGCTGTGTAA 873
Db 1842 ACTGTGCTTCATAACCAATCATTTCAATTTCTAACCCCTCAAAACAAAGCTGTGTAA 1901
QY 874 TATCTGATCTCTACGGTTCCTTCTGGGCCCAACATTTCTCCATATATCAGGCCACACTCAT 933
Db 1902 TATCTGATCTCTACGGTTCCTTCTGGGCCCAACATTTCTCCATATATCAGGCCACACTCAT 1961
QY 934 TTTTAATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAAACAATTAC 993
Db 1962 TTTTAATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAAACAATTAC 2021
QY 994 TCATTTTGTTCAGACCCCTTCGTGTGTGCTCCTAATATGTAGCTGACTGTTTTCCCTAA 1053
Db 2022 TCATTTTGTTCAGACCCCTTCGTGTGTGCTCCTAATATGTAGCTGACTGTTTTCCCTAA 2081
QY 1054 GGAGTGTTCGCGCCAGGGGATCTGTGAACAGGCTGGGAGCATCTCAAGATCTTTCCAG 1113
Db 2082 GGAGTGTTCGCGCCAGGGGATCTGTGAACAGGCTGGGAGCATCTCAAGATCTTTCCAG 2141
QY 1114 GGTATATCTTACTAGCACACAGCATGATCATTTACGGAGTGAATTTATCAATCAACATCAT 1173
Db 2142 GGTATATCTTACTAGCACACAGCATGATCATTTACGGAGTGAATTTATCAATCAACATCAT 2201
QY 1174 CTTAGTGTCTTTGCCCACTACTGAAATTCATTTCCACCTTTTGTGCCCATTTCTCAAGACC 1233
Db 2202 CTTAGTGTCTTTGCCCACTACTGAAATTCATTTCCACCTTTTGTGCCCATTTCTCAAGACC 2261
QY 1234 TCANAATGTCATTCATTAATATACAGATTAACCTTTTAACTGGAAGATTC 1293
Db 2262 TCANAATGTCATTCATTAATATACAGATTAACCTTTTAACTGGAAGATTC 2321
QY 1294 AATGTTACATGAGCTATGGGAATTTAAATACATATTTTGTTCAGTGCAAGATGAC 1353
Db 2322 AATGTTACATGAGCTATGGGAATTTAAATACATATTTTGTTCAGTGCAAGATGAC 2381
QY 1354 TAAGTCTTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGTTAAATGCTTA 1413
Db 2382 TAAGTCTTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGTTAAATGCTTA 2441
QY 1414 GCCTTGACTAGGCTGTATACAG-CACAGCTCTCCCATCCCTCCAGCCTTATCTGTC 1472

Db 2442 GCCTTGACTAGGCTGTATACAGCCACAGCCTCTCCCATCCCTCCAGCCTTATCTGTC 2501
QY 1473 ATCACCATCAACCCCTCCCATACACACCTAAACAAAATCTAACTTGTAAATTCCTTGAACAT 1532
Db 2502 ATCACCATCAACCCCTCCCAT-GCACCTAAACAAAATCTAACTTGTAAATTCCTTGAACAT 2560
QY 1533 GTCAGGACATACATTTATTCCTTCTGCTGAGAAAGCTCTTCTTGTCTCTTAAATCTAGAA 1592
Db 2561 GTCAGG-CATACATTTATTCCTTCTGCTGAGAAAGCTCTTCTTGTCTCTTAAATCTAGAA 2619
QY 1593 TGATGTAAAGTTTTGAATTAAGTTGACTATCTTACTTTCATGCAAGAAAGGACACATATGA 1652
Db 2620 TGATGTAAAGTTTTGAATTAAGTTGACTATCTTACTTTCATGCAAGAAAGGACACATATGA 2679
QY 1653 GATTCATCATCACATGACAGCAAAATATAAAGTGTAATTTGATTTATTAAGAGTTTGA 1712
Db 2680 GATTCATCATCACATGACAGCAAAATATAAAGTGTAATTTGATTTATTAAGAGTTTGA 2739
QY 1713 TAAATATATGAATGCAAGGCCACAGAGGAAATGTTTATGGGCAACGTTTTGTAAGCCTG 1772
Db 2740 TAAATATATGAATGCAAGGCCACAGAGGAAATGTTTATGGGCAACGTTTTGTAAGCCTG 2799
QY 1773 GGATGTGAAGCAAGGACAGGAAACCTCATAGTATCTTATATAATATATCTTCAATTTCTCTA 1832
Db 2800 GGATGTGAAGCAAGGACAGGAAACCTCATAGTATCTTATATAATATATCTTCAATTTCTCTA 2859
QY 1833 TCTCTATCACAAATCCAAAGCTTTTTCACAGAAATTCATGCAAGTCAAAATCCCAAGG 1892
Db 2860 TCTCTATCAATATCCAAAGCTTTTTCACAGAAATTCATGCAAGTCAAAATCCCAAGG 2919
QY 1893 TAACTTTTATCCATTTCAATGAGTGCGCTTTTGAAGATTTTGGCAAAATCATACTGGTCAAC 1952
Db 2920 TAACTTTTATCCATTTCAATGAGTGCGCTTTTGAAGATTTTGGCAAAATCATACTGGTCAAC 2979
QY 1953 TTATCTCAACTTTGAGATGCTGTTGCTCTCTAGTAAATTAAGAAATAGGGCACTCTT 2012
Db 2980 TTATCTCAACTTTGAGATGCTGTTGCTCTCTAGTAAATTAAGAAATAGGGCACTCTT 3039
QY 2013 GTGAGCCACTTTAGGGTTTCACTCTCTGGCAATAAAGAAATTTACAAAGAGCTA 2063
Db 3040 GTGAGCCACTTTAGGGTTTCACTCTCTGGCAATAAAGAAATTTACAAAGAGCA 3090

RESULT 13
US-09-439-313-470/c
; Sequence 470, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-470

Query Match 48.4%; Score 1733.4; DB 3; Length 2426;

Best Local Similarity 99.8%; Pred. No. 0;			
Matches 1767; Conservative 0; Mismatches 1; Indels 3; Gaps 3;			
QY	285	GGTGAGAAATAGAAAGGCTGCTGA	CTTTACCATCTGAGGCCACACATCTGCTGAAATGG 344
Db	1769	GGTGAGAAATAGAAAGGCTGCTGA	CTTTACCATCTGAGGCCACACATCTGCTGAAATGG 1710
QY	345	AGATAATTAACATCACTAGAAACAGCAAGATGACATATATAGTCTAAAGTAGTGAATGT 404	
Db	1709	AGATAATTAACATCACTAGAAACAGCAAGATGACATATATAGTCTAAAGTAGTGAATGT 1650	
QY	405	TTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAAGGAGACAC 464	
Db	1649	TTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAAGGAGACAC 1590	
QY	465	AGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTTCATCGATGAGCCTCGCCCTGT 524	
Db	1589	AGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTTCATCGATGAGCCTCGCCCTGT 1530	
QY	525	GCTGTGCTCCGCTTGTGAGGAAGGACATAGAAATGAATGATGTTCCTTAAAGGA 584	
Db	1529	GCTGTGCTCCGCTTGTGAGGAAGGACATAGAAATGAATGATGTTCCTTAAAGGA 1470	
QY	585	TGGGACAGGAACACAGATCCTGTGTGATATTTATTTGAACGGATTAACAGATTTGAAT 644	
Db	1469	TGGGACAGGAACACAGATCCTGTGTGATATTTATTTGAACGGATTAACAGATTTGAAT 1410	
QY	645	GAAATGACAAAGTGAGCATTTACCAATGAGAGAAACACAGACGAGAAATCTTGATGGCTT 704	
Db	1409	GAAATGACAAAGTGAGCATTTACCAATGAGAGAAACACAGACGAGAAATCTTGATGGCTT 1350	
QY	705	CACAGACATGCAACAAACAAATGAATATCTGTGATGACATGAGGACGCCAAGCTGGGG 764	
Db	1349	CACAGACATGCAACAAACAAATGAATATCTGTGATGACATGAGGACGCCAAGCTGGGG 1290	
QY	765	AGGAGATACACAGGGGACAGGGTCAGATTTCTGGCCCTGCTGCTAACTGCTGGTTC 824	
Db	1289	AGGAGATACACAGGGGACAGGGTCAGATTTCTGGCCCTGCTGCTAACTGCTGGTTC 1230	
QY	825	ATAACCAAAATCATTTTCATATTTCTAACCCCTCAAAAACAAAGCTGTTGTAATATCTGATCTC 884	
Db	1229	ATAACCAAAATCATTTTCATATTTCTAACCCCTCAAAAACAAAGCTGTTGTAATATCTGATCTC 1170	
QY	885	TACGGTTCCTTCTGGGCCCAACATCTCCATATATCCAGCCACATCAATTTTAAATTT 944	
Db	1169	TACGGTTCCTTCTGGGCCCAACATCTCCATATATCCAGCCACATCAATTTTAAATTT 1110	
QY	945	AGTTCACACATCTGATCTGACCTTTCTACACTGTAGATTAACATTAATCTCATTTTGTTC 1004	
Db	1109	AGTTCACACATCTGATCTGACCTTTCTACACTGTAGATTAACATTAATCTCATTTTGTTC 1050	
QY	1005	AAAGACCCCTTCGTGTGCTGCCTTAATATGATGATGATGATGATGATGATGATGATGATG 1064	
Db	1049	AAAGACCCCTTCGTGTGCTGCCTTAATATGATGATGATGATGATGATGATGATGATGATG 990	
QY	1065	GCCAGGGGATCTGTGAACAGAGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATATCTTA 1124	
Db	989	GCCAGGGGATCTGTGAACAGAGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATATCTTA 930	
QY	1125	CTAGCACACAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1184	
Db	929	CTAGCACACAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 870	
QY	1185	TTGCCCATATCTGAAATTCATTTCCCACTTTTGTGCCCATCTCAAGACCTCAAAATGTCA 1244	
Db	869	TTGCCCATATCTGAAATTCATTTCCCACTTTTGTGCCCATCTCAAGACCTCAAAATGTCA 810	
QY	1245	TTCCATTAATATCACAGGATTAATCTTTTAACTGGGAAGATTCATGTTTACATGTTACATG 1304	
Db	809	TTCCATTAATATCACAGGATTAATCTTTTAACTGGGAAGATTCATGTTTACATGTTACATG 750	
QY	1305	CAGCTATGGGAATTAATTAACATATTTTGTTCCTGAGCAAGATGATGATGATGATGATG 1364	

RESULT 14

US-09-352-616A-470/c
; Sequence 470, Application US/09352616A
; Patent No. 6395278

; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yucui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens

US-09-352-616A-470

Query Match	48.4%;	Score 1733.4;	DB 3;	Length 2426;	
Best Local Similarity	99.8%;	Pred. No. 0;			
Matches 1767;	Conservative 0;	Mismatches 1;	Indels 3;	Gaps 3;	
QY	285	GGTGAGAAATAAGAAAGCGCTGCTGACTTTTACCATCTCGAGGCCACACATCTGCTGAAATGG	344		
DB	1769	GGTGAGAAATAAGAAAGCGCTGCTGACTTTTACCATCTCGAGGCCACACATCTGCTGAAATGG	1710		
QY	345	AGATAATTAACATCACTAGAAACAGCAAGATGACAAATAATGTCTTAAGTAGTGACATGT	404		
DB	1709	AGATAATTAACATCACTAGAAACAGCAAGATGACAAATAATGTCTTAAGTAGTGACATGT	1650		
QY	405	TTTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCAGCAAAAAGGAAGCAC	464		
DB	1649	TTTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCAGCAAAAAGGAAGCAC	1590		
QY	465	AGAGATCCCTGGGAGAAATGCCGGCCGCCATCTTGGGTCAATCGATGAGCCTCGCCCTGT	524		
DB	1589	AGAGATCCCTGGGAGAAATGCCGGCCGCCATCTTGGGTCAATCGATGAGCCTCGCCCTGT	1530		
QY	525	GCCTGGTCCCGCTTGTGAGGGAAGGACATTTAGAAAATGAATGATGTGTTCTTTAAAGGA	584		
DB	1529	GCCTGGTCCCGCTTGTGAGGGAAGGACATTTAGAAAATGAATGATGTGTTCTTTAAAGGA	1470		
QY	585	TGGCAGGAAAAACAGATCCTGTTGTGATATTATTTTGAACGGGATTACAGATTTGAAAT	644		
DB	1469	TGGCAGGAAAAACAGATCCTGTTGTGATATTATTTTGAACGGGATTACAGATTTGAAAT	1410		
QY	645	GAAATCAGAAATGAGCATTTACCAATGAGAGGAAAAACAGACGAGAAATCTTGATGGCTT	704		
DB	1409	GAAATCAGAAATGAGCATTTACCAATGAGAGGAAAAACAGACGAGAAATCTTGATGGCTT	1350		
QY	705	CACAAGACATGCAACAAACAAATGGAATGATGTGATGATGATGAGCGAGCAAGCTGGGG	764		
DB	1349	CACAAGACATGCAACAAACAAATGGAATGATGTGATGATGATGAGCGAGCAAGCTGGGG	1290		
QY	765	AGGAGATAACACGGGGCAGAGGCTCAGGATTTCTGGCCCTGCTGCTTAAACTGTGCGTTC	824		
DB	1289	AGGAGATAACACGGGGCAGAGGCTCAGGATTTCTGGCCCTGCTGCTTAAACTGTGCGTTC	1230		
QY	825	ATAACCAATCATTTTCAATTTCTAACCCCTCAAAAACAAAGCTGTTGTAATATCTGATCTC	884		
DB	1229	ATAACCAATCATTTTCAATTTCTAACCCCTCAAAAACAAAGCTGTTGTAATATCTGATCTC	1170		
QY	885	TACGGTTCCTCTGCGGCCCAACATTTCCATATATCCAGCCACACTCATTTTTAAATATT	944		
DB	1169	TACGGTTCCTCTGCGGCCCAACATTTCCATATATCCAGCCACACTCATTTTTAAATATT	1110		
QY	945	AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATAACATTTACTCATTTTGTTC	1004		
DB	1109	AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATAACATTTACTCATTTTGTTC	1050		
QY	1005	AAAGACCCCTTCGTGTGCTGCTTAATATGATGATGATGATGATGATGATGATGATGATG	1064		
DB	1049	AAAGACCCCTTCGTGTGCTGCTTAATATGATGATGATGATGATGATGATGATGATGATG	990		
QY	1065	GCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACTTTA	1124		
DB	989	GCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACTTTA	930		
QY	1125	CTAGCACACAGCATGATCATTTACGGAGTGAATTTCTAATCAACATCATCTCAGTGTCT	1184		
DB	929	CTAGCACACAGCATGATCATTTACGGAGTGAATTTCTAATCAACATCATCTCAGTGTCT	870		
QY	1185	TTGCCCATCTGAAATTCATTTGCCATTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA	1244		
DB	869	TTGCCCATCTGAAATTCATTTGCCATTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA	810		
QY	1245	TTCCATTAATATCAGAGGATTAACCTTTTTTTTTTAACTGGGAAGAAATCAATGTTTACATG	1304		
DB	809	TTCCATTAATATCAGAGGATTAACCTTTTTTTTTTTTTTAACTGGGAAGAAATCAATGTTTACATG	750		

QY	1305	CAGCTATGGGAATTTAATTACATATTTTGTGTTTTCCAGTGCAGGATGACTAAGTCTCTTTA	1364
DB	749	CAGCTATGGGAATTTAATTACATATTTTGTGTTTTCCAGTGCAGGATGACTAAGTCTCTTTA	690
QY	1365	TCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGTTAAAAAGCTTAGCCTTGACTG	1424
DB	689	TCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGTTAAAAAGCTTAGCCTTGACTG	630
QY	1425	AGGCTGTATACAG-CACAGCCTCTCCCCATCCCTCCAGCCTTATCTGTCAACCATCAA	1483
DB	629	AGGCTGTATACAGCAGCAGCCTCTCCCATCCCTCCAGCCTTATCTGTCAACCATCAA	570
QY	1484	CCCTCCCATACCACCTAAACAAATCTAATCTGTAAATTCCTTGAAACATGTGAGACATA	1543
DB	569	CCCTCCCAT-GCACCTAAACAAATCTAATCTGTAAATTCCTTGAAACATGTGAGACATA	512
QY	1544	CATTATTCCTTCGCTGAGAGGCTCTTCTTCTCTTAAATCTAGAAATGATGATAAGT	1603
DB	511	CATTATTCCTTCGCTGAGAGGCTCTTCTTCTCTTAAATCTAGAAATGATGATAAGT	452
QY	1604	TTTGAATAAGTTGACTATCTTACTTTCATGCAAGAGGACACATATGAGATTTCATCATC	1663
DB	451	TTTGAATAAGTTGACTATCTTACTTTCATGCAAGAGGACACATATGAGATTTCATCATC	392
QY	1664	ACATGAGACAGCAATACTAAAGTGTAAATTTGATTTAAGAGTTTAGATAAATATGA	1723
DB	391	ACATGAGACAGCAATACTAAAGTGTAAATTTGATTTAAGAGTTTAGATAAATATGA	332
QY	1724	AATGCAGAGCCACAGAGGGAATGTTTATGGGCAAGCTTCTAGCCTGGGATGGAAGC	1783
DB	331	AATGCAGAGCCACAGAGGGAATGTTTATGGGCAAGCTTCTAGCCTGGGATGGAAGC	272
QY	1784	AAAGCAGGGAACCTCATAGTATCTTATATAATATCTTCTTCTCTCTCTCTCTCTCTCT	1843
DB	271	AAAGCAGGGAACCTCATAGTATCTTATATAATATCTTCTTCTCTCTCTCTCTCTCTCT	212
QY	1844	ATATCCAAACAGCTTTTACAGAAATTCATGAGTGCAAAATCCCAAGGTAACCTTTATC	1903
DB	211	ATATCCAAACAGCTTTTACAGAAATTCATGAGTGCAAAATCCCAAGGTAACCTTTATC	152
QY	1904	CATTTCATGCTGAGTGGCTTTAGAAATTTTGGCAAAATCATACTGGTCACTTCTCAACT	1963
DB	151	CATTTCATGCTGAGTGGCTTTAGAAATTTTGGCAAAATCATACTGGTCACTTCTCAACT	92
QY	1964	TTGAGATGTTTGTCTTGTAGTTAATTTGAAAGAAATAGGGCACTCTTGTGAGCCACTT	2023
DB	91	TTGAGATGTTTGTCTTGTAGTTAATTTGAAAGAAATAGGGCACTCTTGTGAGCCACTT	32
QY	2024	TAGGTTCACTCTCTGGCAATTAAGAAATTTAC	2054
DB	31	TAGGTTCACTCTCTGGCAATTAAGAAATTTAC	1

RESULT 15
US-09-636-215-470/c
; Sequence 470, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darriack
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-636-215-470

Query Match 48.4%; Score 1733.4; DB 4; Length 2426;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1767; Conservative 0; Mismatches 1; Indels 3; Gaps 3;

QY 285 GGTGAGAAATAGAAAGGCTGTGACTTTACATCTGAGGCCACACATCTGCTGAAATGG 344
DB 1769 GGTGAGAAATAGAAAGGCTGTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG 1710
QY 345 AGATAATTAACTACATGAGAAACAGCAAGATGACATATATATCTCTAACTAGTGACATGT 404
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GenCore version 5.1.6
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Searched: 7316285 seqs, 3248459403 residues

Total number of hits satisfying chosen parameters: 14632570

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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 - 24: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq*
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 - 26: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	3497	97.6	3923	9	US-09-759-143-470
3	3497	97.6	3923	9	US-09-780-669-690
4	3497	97.6	3923	9	US-09-822-827-690
5	3497	97.6	3923	9	US-09-895-793-690
6	3497	97.6	3923	9	US-09-895-814-690
7	3497	97.6	3923	13	US-10-012-896-690

Sequence 2, Appli
Sequence 690, App
Sequence 690, App
Sequence 690, App
Sequence 690, App
Sequence 690, App
Sequence 690, App

8	3497	97.6	3923	15	US-10-205-823-316	Sequence 316, App
9	3497	97.6	3923	16	US-10-144-678A-690	Sequence 690, App
10	3497	97.6	3923	16	US-10-294-025-690	Sequence 690, App
11	2032	56.7	2037	22	US-10-880-425A-1	Sequence 1, Appli
12	1742.2	48.6	3112	9	US-09-759-143-468	Sequence 468, App
13	1742.2	48.6	3112	9	US-09-780-669-690	Sequence 690, App
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18	1742.2	48.6	3112	14	US-10-010-940-468	Sequence 468, App
19	1742.2	48.6	3112	16	US-10-144-678A-468	Sequence 468, App
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C 22	1733.4	48.4	2426	9	US-09-780-669-470	Sequence 470, App
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C 36	1717.4	47.9	2229	13	US-10-012-896-469	Sequence 469, App
C 37	1717.4	47.9	2229	14	US-10-010-940-469	Sequence 469, App
C 38	1717.4	47.9	2229	16	US-10-144-678A-469	Sequence 469, App
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C 40	740.8	20.2	876	10	US-09-957-708-3	Sequence 3, Appli
C 41	722.4	20.2	812	9	US-09-759-143-471	Sequence 471, App
C 42	722.4	20.2	812	9	US-09-780-669-471	Sequence 471, App
C 43	722.4	20.2	812	9	US-09-822-827-471	Sequence 471, App
C 44	722.4	20.2	812	9	US-09-895-793-471	Sequence 471, App
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ALIGNMENTS

RESULT 1
US-10-880-425A-2
; Sequence 2, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 3582
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-880-425A-2

Query Match 100.0%; Score 3582; DB 22; Length 3582;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3582; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 2

US-09-759-143-690
; Sequence 690, Application US/09759143
; Patent No. US2002002248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-759-143-690

Query Match 97.6%; Score 3497; DB 9; Length 3923;

Best Local Similarity 99.6%; Pred. No. 0;

Matches 3569; Conservative 0; Mismatches 10; Indels 6; Gaps 6;

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QY 61 GGCTCAGCCGAGGAGACACAGGAAGATCTGATGTTGGGAAGGACCTGATGATACAGAG 120
DB 61 GGCTCAGCCGAGGAGACACAGGAAGATCTGATGTTGGGAAGGACCTGATGATACAGAG 120
QY 121 GAATTAACAACATATACCTAGTGTTCATGAAACCAAGATAAATAAGTGAAGACTA 180
DB 121 GAATTAACAACATATACCTAGTGTTCATGAAACCAAGATAAATAAGTGAAGACTA 180
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Db 181 GTCCGCTGTGAGTCTCCTCAGTGACACAGGGCTGGATCAACATCGACGCACCTTTCTGAG 240
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Db 241 TACTCAGTGCAGCAAAAGAAAGCTACAGACATCTCAATGCGAGGGGTGAGAAATAGAAA 300
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Qy 361 TAGAAAACAGCAAGATGACAAATAAATGCTAAGTAGTGACATGTTTTGCGACATTTCCAG 420
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RESULT 3
US-09-780-669-690
; Sequence 690, Application US/09780669
; Patent No. US20020051977A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darriek
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-780-669-690

Query Match 97.6%; Score 3497; DB 9; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 3569; Conservative 0; Mismatches 10; Indels 6; Gaps 6;
QY 1 ACAGAAGAAATAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60
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3061 TTTCCAAATAGATGCTGCCATGGCTTAATTTAGTGAATGCTTTAGATGAACATTTAAG 3120
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3060 TTTCCAAATAGATGCTGCCATGGCT-ATATGCTTTAGATGAACATTTAAG 3118
QY |||||||
3121 TCTAAGAGGTTCAAAATCCAATCAATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 3180
Db |||||||
3119 CTCAGAGGTTCAAAATCCAATCAATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 3177
QY |||||||
3181 CCTATATTTACTGATG-ACTGAACAGGATGGTCCCCAA-GATGCCAGTCAAAATGAGAAA 3238
Db |||||||
3178 CCTATATTTACTGATGCACTGAACAGCATGGTCCCCAAATGTAGCCATGCAAAATGAGAAA 3237
QY |||||||
3239 CCCAGTGGCTCCTTTGGATCATGCAATGCAAGACTGCTGAAGCCAG-AGGATGACTGATT 3297
Db |||||||
3238 CCCAGTGGCTCCTTTGGATCATGCAATGCAAGACTGCTGAAGCCAGAGGATGACTGATT 3297
QY |||||||
3298 ACGCTCATGGGTGGAGGGGACCACTCCTGGGCTTTCTGATTTGTCAGGAGCAAGACCTG 3357
Db |||||||
3298 ACGCTCATGGGTGGAGGGGACCACTCCTGGGCTTTCTGATTTGTCAGGAGCAAGACCTG 3357
QY |||||||
3358 AGATGCTCCTGCTTCTGAGTCTCTGATCTCCCTTTCTAATGAAGATCCATAGAAAT 3417
Db |||||||
3358 AGATGCTCCTGCTTCTGAGTCTCTGATCTCCCTTTCTAATGAAGATCCATAGAAAT 3417
QY |||||||
3418 TTGCTACATTTGAGATTCCAATTAGNACTACATGTTTATCTGCTCCCTCATCAATTTT 3477
Db |||||||
3418 TTGCTACATTTGAGATTCCAATTAGNACTACATGTTTATCTGCTCCCTCATCAATTTT 3477
QY |||||||
3478 TAAACTTGCTGAAAATTAAGTTTTTCAAAATCTGCTTTGTAATTTACTTTTCTTACA 3537
Db |||||||
3478 TAAACTTGCTGAAAATTAAGTTTTTCAAAATCTGCTTTGTAATTTACTTTTCTTACA 3537
QY |||||||
3538 GTGCTCTGGCATATATCAACTTTTGTGTTTACAACTTT 3582
Db |||||||
3538 GTGCTCTGGCATATATCAACTTTTGTGTTTACAACTTT 3582

US-09-822-827-690
; Sequence 690, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-822-827-690

Query Match 97.6%; Score 3497; DB 9; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 3569; Conservative 0; Mismatches 10; Indels 6; Gaps 6;

QY 1 ACAGAGAATAATAGCAAGTCCCGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60
Db 1 ACAGAGAATAATAGCAAGTCCCGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60
QY 61 GGCTCAGCCGAGGAGGACACAGAAATCTGCATGGTGGAAAGGACCTGATGATACAGAG 120
Db 61 GGCTCAGCCGAGGAGGACACAGAAATCTGCATGGTGGAAAGGACCTGATGATACAGAG 120
QY 121 GAATTACAACATATACTTAGTGTTCATGAACACCAAGATTAATAGTGAAGAGCTA 180
Db 121 GAATTACAACATATACTTAGTGTTCATGAACACCAAGATTAATAGTGAAGAGCTA 180
QY 181 GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGGATCACCATCGACGGCACTTTCTGAG 240
Db 181 GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGGATCACCATCGACGGCACTTTCTGAG 240
QY 241 TACTCAGTGCAGCAAAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAGAAA 300
Db 241 TACTCAGTGCAGCAAAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAGAAA 300
QY 301 GGCTGCTGATTTACATCTGAGGCCACACATCTGCTGAAATGGAGATTAATTAACATCAC 360
Db 301 GGCTGCTGATTTACATCTGAGGCCACACATCTGCTGAAATGGAGATTAATTAACATCAC 360
QY 361 TAGAACAACAGATGACAAATATATGTTAAGTAGTGACATGTTTTCACATTTCCAG 420
Db 361 TAGAACAACAGATGACAAATATATGTTAAGTAGTGACATGTTTTCACATTTCCAG 420
QY 421 CCCCTTTAAATATCCACACACACAGGAAAGCAAAAGGAAGCAGACAGATCCCTGGGAGA 480
Db 421 CCCCTTTAAATATCCACACACACAGGAAAGCAAAAGGAAGCAGACAGATCCCTGGGAGA 480
QY 481 AATGCCGGCCGCCATCTTGGGTATCGATGAGCCTCGCCCTGTGCTGCTGCTCCGCTTGT 540
Db 481 AATGCCGGCCGCCATCTTGGGTATCGATGAGCCTCGCCCTGTGCTGCTGCTCCGCTTGT 540
QY 541 GAGGGAAGGACATTTAGAAAAATGAAATTTGATGCTTCTTAAAGGATGGGAGGAAACACA 600
Db 541 GAGGGAAGGACATTTAGAAAAATGAAATTTGATGCTTCTTAAAGGATGGGAGGAAACACA 600
QY 601 TCCTGTGTGGATATTTATTTGAACGGGATTAACAGATTTGAAATGAAGTCAACAAAGTGAG 660
Db 601 TCCTGTGTGGATATTTATTTGAACGGGATTAACAGATTTGAAATGAAGTCAACAAAGTGAG 660
QY 661 CATTACCATGAGAGGAAAAACAGAGAAATCTTGTGCTTCAACAGATGCAACAA 720
Db 661 CATTACCATGAGAGGAAAAACAGAGAAATCTTGTGCTTCAACAGATGCAACAA 720
QY 721 AACAAATGGAAATCTGTGATGACATGAGGAGCAAGCTGGGGAGGAGATTAACACGGG 780
Db 721 AACAAATGGAAATCTGTGATGACATGAGGAGCAAGCTGGGGAGGAGATTAACACGGG 780

QY	781	GCAGAGGTCAGGATTTCTGGCCCTGCTGCTAAACTGTGCGTTCAATAACCAAAATCATTTTC	840
Db	781	GCAGAGGTCAGGATTTCTGGCCCTGCTGCTAAACTGTGCGTTCAATAACCAAAATCATTTTC	840
QY	841	ATATTTCTTAACCTCAAAACAAAGCTGTGTAAATATCTGATCTCTAGGGTTCCTTCTGGG	900
Db	841	ATATTTCTTAACCTCAAAACAAAGCTGTGTAAATATCTGATCTCTAGGGTTCCTTCTGGG	900
QY	901	CCCAACATTTCTCCATATATCCAGCCACACTCATTTTTTAATATTTAGTTCCTCCAGATCTGTA	960
Db	901	CCCAACATTTCTCCATATATCCAGCCACACTCATTTTTTAATATTTAGTTCCTCCAGATCTGTA	960
QY	961	CTGTGACCTTTCTACACTGTAGAAATTAACATTTCTCAATTTTGTTCAAAGACCTTCTGTGT	1020
Db	961	CTGTGACCTTTCTACACTGTAGAAATTAACATTTCTCAATTTTGTTCAAAGACCTTCTGTGT	1020
QY	1021	GCTGCCATAATGTAGTCACTGTGTTTTCTTAAGAGTGTCTTGCGCCACAGGGATCTGTG	1080
Db	1021	GCTGCCATAATGTAGTCACTGTGTTTTCTTAAGAGTGTCTTGCGCCACAGGGATCTGTG	1080
QY	1081	AACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATCTTACTAGCACACAGCATGA	1140
Db	1081	AACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATCTTACTAGCACACAGCATGA	1140
QY	1141	TCAATTACGGAGTGAATTTATCTAATCAACATCATCTCTCAGTGTCTTTGGCCCATCTGAAT	1200
Db	1141	TCAATTACGGAGTGAATTTATCTAATCAACATCATCTCTCAGTGTCTTTGGCCCATCTGAAT	1200
QY	1201	TCAATTTCCCACTTTGTGCGCCATTCTCAAGACCTCAAAATGTCTCCATTAATATCA	1260
Db	1201	TCAATTTCCCACTTTGTGCGCCATTCTCAAGACCTCAAAATGTCTCCATTAATATCA	1260
QY	1261	GGATTAACCTTTTTTTTAACTGGAGAAATCAATGTGTACATGCACTATGGGAATTTA	1320
Db	1261	GGATTAACCTTTTTTTTAACTGGAGAAATCAATGTGTACATGCACTATGGGAATTTA	1320
QY	1321	ATTACATATTTTGTGTTTCCAGTGCAAGATGATCAAGTCTTTTATCCCTCCCTTTGTTT	1380
Db	1321	ATTACATATTTTGTGTTTCCAGTGCAAGATGATCAAGTCTTTTATCCCTCCCTTTGTTT	1380
QY	1381	GAATTTTTTCCAGTATAAAGTTAAATGCTTTAGCCTTTAGCTGTGATACAGCAC	1440
Db	1381	GAATTTTTTCCAGTATAAAGTTAAATGCTTTAGCCTTTAGCTGTGATACAGCAC	1440
QY	1441	AGCCTCTCCCATCCCTCCAGCCTTATCTGTCAATCAACCTCAACCCCTCCCATACCACT	1500
Db	1441	AGCCTCTCCCATCCCTCCAGCCTTATCTGTCAATCAACCTCAACCCCTCCCATACCACT	1500
QY	1501	AAACAAATCTAATCTGTAATTCCTTGAACATGTCAAGGACATACATTTCTGCT	1560
Db	1501	AAACAAATCTAATCTGTAATTCCTTGAACATGTCAAGGACATACATTTCTGCT	1560
QY	1561	GAGAGCTCTCTGCTCTTAATCTAGATGATGAAGTTTGAATAGTTGACTA	1620
Db	1561	GAGAGCTCTCTGCTCTTAATCTAGATGATGAAGTTTGAATAGTTGACTA	1620
QY	1621	TCTTACTTCAATGCAAGAGGACACATATGAGATTCATCATCAATGAGACAGCAATA	1680
Db	1621	TCTTACTTCAATGCAAGAGGACACATATGAGATTCATCATCAATGAGACAGCAATA	1680
QY	1681	CTAAAAGTGTAATTTGATTAATAGAGTTAGATAATATATGAAATGCAAGAGCCACAGA	1740
Db	1681	CTAAAAGTGTAATTTGATTAATAGAGTTAGATAATATATGAAATGCAAGAGCCACAGA	1740
QY	1741	GGGAATGTTTATGGGCGAGTTTGTAAAGCTGGGATGTGAAGCAAGGCGGAACCTCA	1800
Db	1741	GGGAATGTTTATGGGCGAGTTTGTAAAGCTGGGATGTGAAGCAAGGCGGAACCTCA	1800
QY	1801	TAGTATCTTATATAATATCTTCAATTTCTCTATCTCTATCACAATATCAACAAGCTTTT	1860
Db	1801	TAGTATCTTATATAATATCTTCAATTTCTCTATCTCTATCACAATATCAACAAGCTTTT	1860

QY	1861	CACAGAAATTCATGCACTGCAAAATCCCAAAGGTAACTTTATCCATTTTCATGGTCAAGTGC	1920
Db	1861	CACAGAAATTCATGCACTGCAAAATCCCAAAGGTAACTTTATCCATTTTCATGGTCAAGTGC	1920
QY	1921	GCTTTAGAAATTTTGGCAAAATCATACTGCTCACTTATCTCAACTTTGAGATGTGTTGTC	1980
Db	1921	GCTTTAGAAATTTTGGCAAAATCATACTGCTCACTTATCTCAACTTTGAGATGTGTTGTC	1980
QY	1981	TTGTGATTTAATTTGAAGAAATAGGGCACTCTTGTGAGCCACTTTTAGGGTTCACTCCTGCG	2040
Db	1981	TTGTGATTTAATTTGAAGAAATAGGGCACTCTTGTGAGCCACTTTTAGGGTTCACTCCTGCG	2040
QY	2041	AATAAAGAATTTACAAGAGCTACTCAGGACAGTGTGTAAGAGCTCTGTGTGTGTGT	2100
Db	2041	AATAAAGAATTTACAAGAGCTACTCAGGACAGTGTGTAAGAGCTCTGTGTGTGTGTGT	2100
QY	2101	GTGTGTGTGTGAGTGTACATGCCAAAGTGTGCTCTCTCTTTGACCCATTAATTTTCAGAC	2160
Db	2101	GTGTGTGTGTGAGTGTACATGCCAAAGTGTGCTCTCTCTTTGACCCATTAATTTTCAGAC	2160
QY	2161	TTAAAACAAGCATGTTTTTCAAATGGCACTATGAGCTGCCAATGATGATCACCCACATAT	2220
Db	2161	TTAAAACAAGCATGTTTTTCAAATGGCACTATGAGCTGCCAATGATGATCACCCACATAT	2220
QY	2221	CTCATTATTTCTCCAGTAAATGTGATAATGATGATCTCTGTTAAACATAAAAAAAGTTGAC	2280
Db	2221	CTCATTATTTCTCCAGTAAATGTGATAATGATGATCTCTGTTAAACATAAAAAAAGTTGAC	2280
QY	2281	TTCAAAAAGCAGCTGGAAATGGCAACCAATATGATTAATCTTAATCTCTACCATCA	2340
Db	2281	TTCAAAAAGCAGCTGGAAATGGCAACCAATATGATTAATCTTAATCTCTACCATCA	2340
QY	2341	GCTACACACTGCTTGACATATTTGTAGAAACCTCGCATTTGTGGGTTCTCTTTAAGC	2400
Db	2341	GCTACACACTGCTTGACATATTTGTAGAAACCTCGCATTTGTGGGTTCTCTTTAAGC	2400
QY	2401	AAAATACTTGTGATTTAGTCTCAGCTGGGCTGTGATCAGGCGTTTGAGAAATATTCAA	2460
Db	2401	AAAATACTTGTGATTTAGTCTCAGCTGGGCTGTGATCAGGCGTTTGAGAAATATTCAA	2460
QY	2461	TTCTCAGCAGAGCAGCAATTTGAAATCCCTCATCTTTTAGGAATCATTTACCAGGTTG	2520
Db	2461	TTCTCAGCAGAGCAGCAATTTGAAATCCCTCATCTTTTAGGAATCATTTACCAGGTTG	2520
QY	2521	GAGAGGATTCAGACAGCTCAGGTGCTTTCACTAAATGCTCTGAACTTCTGTCCTCTTTG	2580
Db	2521	GAGAGGATTCAGACAGCTCAGGTGCTTTCACTAAATGCTCTGAACTTCTGTCCTCTTTG	2580
QY	2581	TGTTTCAATGGATAGTCCAAATAAATGTTATCTTTGAACTGATGCTCATAGAGAGAATA	2640
Db	2581	TGTTTCAATGGATAGTCCAAATAAATGTTATCTTTGAACTGATGCTCATAGAGAGAATA	2640
QY	2641	TAAGAACTCTGAGTGATATCAACATTTAGGGAATCAAGAAATATTAGAATTTAAGCTCA	2700
Db	2641	TAAGAACTCTGAGTGATATCAACATTTAGGGAATCAAGAAATATTAGAATTTAAGCTCA	2700
QY	2701	CTGCTCAAAAGGAAACCAAGATACAAAGAACTCTGAGCTGTCTGTCCTCCCATCTCTGGA	2760
Db	2701	CTGCTCAAAAGGAAACCAAGATACAAAGAACTCTGAGCTGTCTGTCCTCCCATCTCTGGA	2760
QY	2761	GCCACAAACACAGCAGGCCAACCGATGTCTGAGATCTCTTAAATCAAGGAAACCAAGTG	2820
Db	2761	GCCACAAACACAGCAGGCCAACCGATGTCTGAGATCTCTTAAATCAAGGAAACCAAGTG	2820
QY	2821	TCATGAGTTGAATTTCTCCATTTATGGAATGCTAGCTTCTGGCCATCTCTGGCTCTCTCTT	2880
Db	2821	TCATGAGTTGAATTTCTCCATTTATGGAATGCTAGCTTCTGGCCATCTCTGGCTCTCTCTT	2880
QY	2881	GACACATATTAGCTTTTACGCTTTTCCAGACTTTTATCTTTTCTTCCAAACATCGC	2940
Db	2881	GACACATATTAGCTTTTACGCTTTTCCAGACTTTTATCTTTTCTTCCAAACATCGC	2940
QY	2941	TTACCAATCTCTCTCTGCTCTGTTGCTTTGGACTTCCCAACAGAAATTTCAACGACTCT	3000

Db 2941 TTACCAATCTCTCTCTGCTGCTGCTTTGGACTTCCCAAGAAATTTCAAGACTCT 3000
Qy 3001 CAAGTCTTTTCTTCCATCCCACTCACTAACTGAAATGCTAGACCTTTATTTTAA 3060
Db 3001 CAAGTCTTTTCTTCCATCCCACTCACTAACTGAA-TGCCTAGACCTTTATTTTAA 3059
Qy 3061 TTTTCAATAGATGCTGCTTATGGCTTAATATGCTTTAGATGAACATTTAAG 3120
Db 3060 TTTTCAATAGATGCTGCTTATGGCT-ATATGCTTTAGATGAACATTTAAG 3118
Qy 3121 TCTAAGAGGTTCAAATCCAACTCAATATCTTCTTCTTTTCACTCCCTGCTCTCT 3180
Db 3119 CTCAGAGGTTCAAAATCCAACTCAATATCTTCTTCTTCTTCTTCTTCTTCT 3177
Qy 3181 CCTATATTTACTGATTG-ACTGAACAGGATGTTCCCAA-GATGCCAGTCAAAATGAGAA 3238
Db 3178 CCTATATTTACTGATTGCACTGAACAGATGTTCCCAAATGTAGCATCAAAATGAGAA 3237
Qy 3239 CCAGTGGCTCTTTGTTGATCATGATGCAAGACTGCTGAAGCCAG-AGGATGACTGATT 3297
Db 3238 CCAGTGGCTCTTTGTTGATCATGATGCAAGACTGCTGAAGCCAGAGGATGACTGATT 3297
Qy 3298 AGCCTCATGGGTGGAGGGGACACTCTCTGGGCTTTCGTTGATTTGTCAGGAGCAAGACCTG 3357
Db 3298 AGCCTCATGGGTGGAGGGGACACTCTCTGGGCTTTCGTTGATTTGTCAGGAGCAAGACCTG 3357
Qy 3358 AGATGCTCCTGCTTTCAGTGTCTCTGATCTCTGATCTCTCCCTTTCTAATGAAGATCCATAGAT 3417
Db 3358 AGATGCTCCTGCTTTCAGTGTCTCTGATCTCTCCCTTTCTAATGAAGATCCATAGAT 3417
Qy 3418 TTGCTACATTTGAGAAATTCAAATAGGAATCTCACATGTTTATCTGCCCTATCAATTTT 3477
Db 3418 TTGCTACATTTGAGAAATTCAAATAGGAATCTCACATGTTTATCTGCCCTATCAATTTT 3477
Qy 3478 TAAACTTGTGCTGAAATTAAGTTTTCRAAACTGCTCTGTAATTAATCTTTCTTACA 3537
Db 3478 TAAACTTGTGCTGAAATTAAGTTTTCRAAACTGCTCTGTAATTAATCTTTCTTACA 3537
Qy 3538 GTGCTTGGCATACTATATCAACTTTTGAATTTTGTGTACAACCTTT 3582
Db 3538 GTGCTTGGCATACTATATCAACTTTTGAATTTTGTGTACAACCTTT 3582

RESULT 5

US-09-895-793-690
; Sequence 690, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Xuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; DIAGNOSIS OF PROSTATE CANCER

FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-895-793-690

Query Match 97.6%; Score 3497; DB 9; Length 3923;
Best Local Similarity 99.6%; Pred No. 0;
Matches 3569; Conservative 0; Mismatches 10; Indels 6; Gaps 6;

Qy 1 ACAGAAGAAATAGCAAGTGCAGAGGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60
Db 1 ACAGAAGAAATAGCAAGTGCAGAGGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60
Qy 61 GGCTGCAGCCGAGGAGACCAAGAGATCTGCATGGTGGGAAGGACCTGATGATACAG 120
Db 61 GGCTGCAGCCGAGGAGACCAAGAGATCTGCATGGTGGGAAGGACCTGATGATACAG 120
Qy 121 GAAATTACAAACATATCTTGTGTTCAATGAACACCAAGATAAATAAGTGAAGAGCTA 180
Db 121 GAAATTACAAACATATCTTGTGTTCAATGAACACCAAGATAAATAAGTGAAGAGCTA 180
Qy 181 GTCCGCTGTGATCTCTTCAGTGACACAGGGCTGGATCACCATCGACGGCCTTTCTGAG 240
Db 181 GTCCGCTGTGATCTCTTCAGTGACACAGGGCTGGATCACCATCGACGGCCTTTCTGAG 240
Qy 241 TACTCAGTGCAGAAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAA 300
Db 241 TACTCAGTGCAGAAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAA 300
Qy 301 GGCTGCTCAGCTTTACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAACATCAC 360
Db 301 GGCTGCTCAGCTTTACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAACATCAC 360
Qy 361 TAGAAACAGCAAGATGACAATATAATGTCTAAGTAGTGACATGTTTTCACATTTCCAG 420
Db 361 TAGAAACAGCAAGATGACAATATAATGTCTAAGTAGTGACATGTTTTCACATTTCCAG 420
Qy 421 CCCCTTTAAATATCCACACACACAGGAAGCAAAAGAGGACAGACATCCCTGGGAGA 480
Db 421 CCCCTTTAAATATCCACACACACAGGAAGCAAAAGAGGACAGACATCCCTGGGAGA 480
Qy 481 AATGCCCGGCCCATCTTGGGTCTATCGATGAGCCTCGCCCTGCTGCTGCTCCCTTGT 540
Db 481 AATGCCCGGCCCATCTTGGGTCTATCGATGAGCCTCGCCCTGCTGCTGCTCCCTTGT 540
Qy 541 GAGGAAGGACATTAGAAAAATGAATTTGATGTCTTTAAAGGATGGCAGGAAAAACAGA 600
Db 541 GAGGAAGGACATTAGAAAAATGAATTTGATGTCTTTAAAGGATGGCAGGAAAAACAGA 600
Qy 601 TCCTGTTGTGATATTTAATTTGAACGGGATTTACAGATTTGAAATGAAGTCAAAAGTGA 660
Db 601 TCCTGTTGTGATATTTAATTTGAACGGGATTTACAGATTTGAAATGAAGTCAAAAGTGA 660
Qy 661 CATTACCAATGAGAGGAAAAACAGACGAGAAATCTTGTATGGCTTCAAGACATCAACA 720
Db 661 CATTACCAATGAGAGGAAAAACAGACGAGAAATCTTGTATGGCTTCAAGACATCAACA 720
Qy 721 AACAAAATGGAATCTGTGATGACATGAGGAGCCCAAGCTGGGAGGAGAGATAACACCGG 780
Db 721 AACAAAATGGAATCTGTGATGACATGAGGAGCCCAAGCTGGGAGGAGAGATAACACCGG 780
Qy 781 GCAGAGGTCAGGATTTCTGGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
Db 781 GCAGAGGTCAGGATTTCTGGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
Qy 841 ATATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTCTCTTCTGGG 900
Db 841 ATATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTCTCTTCTGGG 900

Db 841 ATATTCTTAACCCCTCAAAACAAAGCTGTTGTGAATATCTGATCTCTACGGTTCCTTCTGGG 900
QY 901 CCCAACATTTCTCCATATATCCAGCCACACTCAATTTTAAATATTAGTTCCTCCAGATCTGTA 960
Db 901 CCCAACATTTCTCCATATATCCAGCCACACTCAATTTTAAATATTAGTTCCTCCAGATCTGTA 960
QY 961 CTGTGACCTTTCTACACTGTAGAAATAACATTAATCTCAATTTTGTTCAAAGACCCTTCGTGTT 1020
Db 961 CTGTGACCTTTCTACACTGTAGAAATAACATTAATCTCAATTTTGTTCAAAGACCCTTCGTGTT 1020
QY 1021 GCTGGCTAATATGTAGTCACTGACTGTTTTCCTTAAGAGTGTTCCTGGCCAGGGGATCTGTG 1080
Db 1021 GCTGGCTAATATGTAGTCACTGACTGTTTTCCTTAAGAGTGTTCCTGGCCAGGGGATCTGTG 1080
QY 1081 AACAGGCTGGGAAGCATCTCAAGATCTTTCAGGGTTATACTTACTAGCACACAGCATGA 1140
Db 1081 AACAGGCTGGGAAGCATCTCAAGATCTTTCAGGGTTATACTTACTAGCACACAGCATGA 1140
QY 1141 TCATTACGGAGTGAATTAATCTAATCAACATCATCTCAGTGTCTTTGGCCATCTACTGAAAT 1200
Db 1141 TCATTACGGAGTGAATTAATCTAATCAACATCATCTCAGTGTCTTTGGCCATCTACTGAAAT 1200
QY 1201 TCATTTCCCACTTTTGTGCCCCATCTCAAGACCTCAAAAGTCAATTCATTAATATCA 1260
Db 1201 TCATTTCCCACTTTTGTGCCCCATCTCAAGACCTCAAAAGTCAATTCATTAATATCA 1260
QY 1261 GGATTAACCTTTTTCCTGGAAGAAATCAATGTTTACATGACGCTATGGGAATTTA 1320
Db 1261 GGATTAACCTTTTTCCTGGAAGAAATCAATGTTTACATGACGCTATGGGAATTTA 1320
QY 1321 ATTACATATTTTGTTCAGTGCAAGATGACTAAGTCTCTTATCCCTCCCTTTGTTT 1380
Db 1321 ATTACATATTTTGTTCAGTGCAAGATGACTAAGTCTCTTATCCCTCCCTTTGTTT 1380
QY 1381 GATTTTTCCTCAGTATAAGTTAAATGCTTAGCTTGTACTGAGGCTGTATACAGAC 1440
Db 1381 GATTTTTCCTCAGTATAAGTTAAATGCTTAGCTTGTACTGAGGCTGTATACAGAC 1440
QY 1441 AGCCTCTCCCATCTCCCTCAGCCTTATCTGTCTATCACCATCAACCCCTCCCATACACCT 1500
Db 1441 AGCCTCTCCCATCTCCCTCAGCCTTATCTGTCTATCACCATCAACCCCTCCCATACACCT 1500
QY 1501 AAAAATAATCTAATCTTGTAAATCTTGTGAACATGTGAGGACATACATTTATCTCTGCT 1560
Db 1501 AAAAATAATCTAATCTTGTAAATCTTGTGAACATGTGAGGACATACATTTATCTCTGCT 1560
QY 1561 GAGAAGCTCTTCTCTGCTCTTAAATCTTAGAATGATTAAGTTTGAATTAAGTTGACTA 1620
Db 1561 GAGAAGCTCTTCTCTGCTCTTAAATCTTAGAATGATTAAGTTTGAATTAAGTTGACTA 1620
QY 1621 TCTTACTTTCATGCAAGAGGACACATATGAGATTCATCATCATGAGACAGACAAATA 1680
Db 1621 TCTTACTTTCATGCAAGAGGACACATATGAGATTCATCATCATGAGACAGACAAATA 1680
QY 1681 CTAAAAGTGAATTTGATTAAGAGTTTAGATAAATATATGAAATGCAAGAGGCCACAGA 1740
Db 1681 CTAAAAGTGAATTTGATTAAGAGTTTAGATAAATATATGAAATGCAAGAGGCCACAGA 1740
QY 1741 GGGAAATGTTTATGGGGCAGCTTTGTAAGCCTGGGATGTGAAGCAAGGCGGGAACCTCA 1800
Db 1741 GGGAAATGTTTATGGGGCAGCTTTGTAAGCCTGGGATGTGAAGCAAGGCGGGAACCTCA 1800
QY 1801 TAGTATCTTATATAATATATCTTCAATTTCTATCTCTATCAAAATATCAAAAGCTTTT 1860
Db 1801 TAGTATCTTATATAATATATCTTCAATTTCTATCTCTATCAAAATATCAAAAGCTTTT 1860
QY 1861 CACAGAAATTCATGCGAGTGAATTCGCCAAAGGTAACTTTTATCCATTTTCATGGTGA 1920
Db 1861 CACAGAAATTCATGCGAGTGAATTCGCCAAAGGTAACTTTTATCCATTTTCATGGTGA 1920
QY 1921 GCTTTAGAAATTTTGGCAAAATCATCTGCTCACTTCTCAATCTCAATCTTGTAGATGTTT 1980
Db 1921 GCTTTAGAAATTTTGGCAAAATCATCTGCTCACTTCTCAATCTTGTAGATGTTT 1980

QY 1981 TTGTAGTTAAATTGAAGAAATAGGCACTCTTGTGAGCCACTTTAGGGTTCACTCCTGGC 2040
Db 1981 TTGTAGTTAAATTGAAGAAATAGGCACTCTTGTGAGCCACTTTAGGGTTCACTCCTGGC 2040
QY 2041 AATAAAGAAATTTAACAAGAGCTATCAGGACAGTTGTTAAGAGCTCTGTGTGTGTGT 2100
Db 2041 AATAAAGAAATTTAACAAGAGCTATCAGGACAGTTGTTAAGAGCTCTGTGTGTGTGT 2100
QY 2101 GTGTGTGTGTGAGTGCATATGCAAAAGTGCCTCTCTCTGACCCATTAATTTTCAGAC 2160
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QY 3060 TTTCATATAGATGCTGCTATGGCT-ATATTCCTTTAGATGAACATTAGATATTTAAAG 3118
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US-09-895-814-690
; Sequence 690, Application US/09895814
; Publication No. US20020193296A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C26
; CURRENT APPLICATION NUMBER: US/09/895,814
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
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; TYPE: DNA
; ORGANISM: Homo sapien
US-09-895-814-690
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Query Match      97.6%; Score 3497; DB 9; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 3569; Conservative 0; Mismatches 10; Indels 6; Gaps 6;
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QY 61 GCGTCAGCCGAGGAGACAGAGAGATCTGATGCTGGGAAGAGCCTGATGATACAGAG 120
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QY 61 GCGTCAGCCGAGGAGACAGAGAGATCTGATGCTGGGAAGAGCCTGATGATACAGAG 120
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QY 121 GAATTACAAACATATACCTTAGTGTTCATCAACCAAGATTAATAAGTGAAGAGCTA 180
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QY 121 GAATTACAAACATATACCTTAGTGTTCATCAACCAAGATTAATAAGTGAAGAGCTA 180
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QY 181 GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGGATCAACATCGACGGCCTTTCTGAG 240
Db      |||
QY 181 GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGGATCAACATCGACGGCCTTTCTGAG 240
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Db      |||
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QY 481 AATGCCCGGCCCATCTTGGGTCAATCGATGAGCCCTCGCCCTGCTGCTGCTCCGCTGT 540
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QY 481 AATGCCCGGCCCATCTTGGGTCAATCGATGAGCCCTCGCCCTGCTGCTGCTCCGCTGT 540
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QY 721 AACAAAAATGGAATACTGTGATGACATGAGGACCAAGCTGGGGAGGAGATTAACACGGG 780
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QY 901 CCCAACATTTCTCATATATCCAGCCACACTCATTTTTTAATATTAGTTCACAGATCTGTA 960
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Db 1081 AACAGSCTGGGAGCATCTCAAGATCTTTCAGGGTTATCTACTAGCACACAGCATGA 1140
Qy 1141 TCATTACGAGTGAATTAATCTAATCAACATCTCTAGTGTCTTTGGCCCATCTGAAT 1200
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Db 1801 TAGTATCTTATATAATATATCTTCAATCTCTATCTATCAAAATATCAAAAGCTTTT 1860
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Db |||||

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QY 3178 CCTATATTACTGATTGCACTGAACAGCATGGTCCCAATGTAGCCATGCAAAATGAGAAA 3237
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RESULT 7

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US-10-012-896-690
; Sequence 690, Application US/10012896
; Publication No. US20020183251A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Foy, Teresa
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Fanger, Gary R.
; APPLICANT: Wantanabe, Yoshihiro
; APPLICANT: Meagher, Madeleine Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C27
; CURRENT APPLICATION NUMBER: US/10/012,896
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-012-896-690
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Query Match

97.6%; Score 3497; DB 13; Length 3923;

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Best Local Similarity 99.6%; Pred. No. 0;
Matches 3569; Conservative 0; Mismatches 10; Indels 6; Gaps 6;
QY 1 ACAGAAAGAAATAGCAAGTCCGAGAAAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60
Db |||||
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QY 481 ANTGCCCGGCCCATCTTGGTTCATCGATGAGCCTCGCCCTGTCCTGGTCCCTGGT 540
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QY 661 CATTACCAATGAGAGGAAAAACAGACAGAAAAATCTTGATGGCTTCAACAGATGCAACA 720
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Db |||||
QY 781 GCAGAGGTCAGGATTTCTGGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
Db |||||
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QY 841 ATATTTCTAACCTTCAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTTCCTTCTGG 900
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QY 841 ATATTTCTAACCTTCAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTTCCTTCTGG 900
Db |||||
QY 901 CCCAACATTTCTCATATATCCAGCCACACTCAATTTTAAATATTTAGTTCACAGATCTGTA 960
Db |||||
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QY 961 CTGTGACCTTTCTACATGTAAGTAACATTTACTCTTTTGTTCAAAGCCCTTCTGTGT 1020
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QY 1021 GCTGCTAATATGTAGTGAATCTGTTTTTCTTAAGAGATGTTCTGGCCAGGGGATCTGTG 1080
Db |||||
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QY 3239 CCAGTGGCTCCTTGTGGATCATGATCAAGACTGCTGAAGCCAG-AGGATGACTGATT 3297
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DB 3358 AGATGCTCCTGCTTCAGTGTCTCTGATCTCCCTTCTTAATGAAGATCCATAGAAT 3417
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QY 3538 GTGCTTGGCATACTATATCAACTTTTGTGATCTTTGTTACAACCTTT 3582
DB 3538 GTGCTTGGCATACTATATCAACTTTTGTGATCTTTGTTACAACCTTT 3582

RESULT 8

US-10-205-823-316
; Sequence 316, Application US/10205823
; Publication No. US20030108963A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
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; APPLICANT: Hoersch, Sebastian
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Wonsley, Angela M.
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Anderson, Dustin
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; THERAPY OF PROSTATE CANCER
; FILE REFERENCE: MRI-044
; CURRENT APPLICATION NUMBER: US/10/205,823
; CURRENT FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 60/307,982
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: 60/314,356
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; PRIOR APPLICATION NUMBER: 60/325,020
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 60/341,746
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/362,158
; PRIOR FILING DATE: 2002-03-05
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 316
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-205-823-316

Query Match 97.6%; Score 3497; DB 15; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 3569; Conservative 0; Mismatches 10; Indels 6; Gaps 6;
QY 1 ACAGAGAAATAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60
DB 1 ACAGAGAAATAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60

QY 61 GGTCTCAGCCGAGGAGACAGGAAGATCTGCATGGTGGGAAGGACCTGATGATACAGAG 120
DB 61 GGTCTCAGCCGAGGAGGAGACAGGAAGATCTGCATGGTGGGAAGGACCTGATGATACAGAG 120
QY 121 GAATTTACAACACATATACCTAGTGTTCATGAACACCAAGATAAATAAGTCAAGAGCTA 180
DB 121 GAATTTACAACACATATACCTAGTGTTCATGAACACCAAGATAAATAAGTCAAGAGCTA 180
QY 181 GTCCGCTGTGAGTCTCCTCAGTGACACAGGGCTGGATCAACATCGACGGCCTTTCTGAG 240
DB 181 GTCCGCTGTGAGTCTCCTCAGTGACACAGGGCTGGATCAACATCGACGGCCTTTCTGAG 240
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DB 241 TACTCAGTGCAGCAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAA 300
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DB 301 GGCTGCTGACTTACCATCTGAGGCGCACATCTCTGAAATGGAGATAATTAACATCAC 360
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DB 481 AATGCCCGGCGCCCATCTTGGTCAATGATGAGCTCGCCCTGCTGGTCCCGCTGTGT 540
QY 541 GAGGGAAGGACATTAGAAAAATGAATTTGATGTCTTCTTAAAGGATGGGAGGAGAAACAGA 600
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Qy	3478	TAAACTTGCTGCAAAATTAAGTTTTTTTCAAATCTGCTCTGTAAATTAATTTTCTTTTACA	3537
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Qy	3538	GTGCTCTGGCATCTATATCAACTTTTGATCTCTTTGTACAACTTTT	3582
Db	3538	GTGCTCTGGCATCTATATCAACTTTTGATCTCTTTGTACAACTTTT	3582

RESULT 9

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; Sequence 690, Application US/10144678A
; Publication NO. US20030157089A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
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; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Hepler, William T.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals y de Bassols, Carlota
; APPLICANT: Foy, Teresa M.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Deng, Ta
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C28
; CURRENT APPLICATION NUMBER: US/10/144,678A
; CURRENT FILING DATE: 2002-08-12
; NUMBER OF SEQ ID NOS: 1033
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-678A-690

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	Query Match	97.6%	Score 3497;	DB 16;	Length 3923;
	Best Local Similarity	99.6%;	Pred. No. 0;		
	Matches 3569;	Conservative	0;	Mismatches 10;	Indels 6; Gaps 6;
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Qy	61	GGCTGCAGCCGAGGGAGAC	CACGAGGAATCTGC	TGTTGGGAAGACCTGATGATACAGAG	120
Db	61	GGCTGCAGCCGAGGGAGAC	CACGAGGAATCTGC	TGTTGGGAAGACCTGATGATACAGAG	120
Qy	121	GAATTACACACATATACTT	TAGTGTTC	AAATGAACACCAAGATAAAATAAGTGAAGAGCTA	180

Db	121	GAATTAACAACATATACCTTAGTGTTCATTAAGAACCAAGGATAAATAAGTGAAGAGCTA	180
Qy	181	GTCCGCTGTGAGTCTCCTCAGTGACACAGGGCTGGATCACCATCGACGGCATTCTTGAG	240
Db	181	GTCCGCTGTGAGTCTCCTCAGTGACACAGGGCTGGATCACCATCGACGGCATTCTTGAG	240
Qy	241	TACTCAGTGCAGAAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAA	300
Db	241	TACTCAGTGCAGAAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAA	300
Qy	301	GGCTGCTGACTTTTACCATTCTGAGGCCACACATCTGCTGAAATGGAGATAATTAACATCAC	360
Db	301	GGCTGCTGACTTTTACCATTCTGAGGCCACACATCTGCTGAAATGGAGATAATTAACATCAC	360
Qy	361	TAGAAAACAGCAAGATGACAATATAATGTCTAAGTAGTGACATGTTTTGCACATTTCACAG	420
Db	361	TAGAAAACAGCAAGATGACAATATAATGTCTAAGTAGTGACATGTTTTGCACATTTCACAG	420
Qy	421	CCCCTTTAAATATCCACACACACAGGAAGCAGAAAAGGAAGCACACAGAGATCCCTGGGAGA	480
Db	421	CCCCTTTAAATATCCACACACACAGGAAGCAGAAAAGGAAGCACACAGAGATCCCTGGGAGA	480
Qy	481	AATGCCCGCGCCATCTTTGGGTCAATCATGAGCCTCGCCCTGTGCTGGTCCCGCTTGT	540
Db	481	AATGCCCGCGCCATCTTTGGGTCAATCATGAGCCTCGCCCTGTGCTGGTCCCGCTTGT	540
Qy	541	GAGGGAAGGACATTAGAAAATGAATGTGTCTTAAAGATGGGACGAGAAAACAGA	600
Db	541	GAGGGAAGGACATTAGAAAATGAATGTGTCTTAAAGATGGGACGAGAAAACAGA	600
Qy	601	TCCGTGTGTGGATATTATTTCGACGGGATACAGATTTGAAATGNAAGTCACAAAGTGAG	660
Db	601	TCCGTGTGTGGATATTATTTCGACGGGATACAGATTTGAAATGNAAGTCACAAAGTGAG	660
Qy	661	CATTACCAATGACAGGAAAACAGACGAGAAAATCTTTGATGGCTTCCAAAGACATGCAACA	720
Db	661	CATTACCAATGACAGGAAAACAGACGAGAAAATCTTTGATGGCTTCCAAAGACATGCAACA	720
Qy	721	AACAAATGGAATATCTGTATGATGACGAGCGACCAAGCTGGGAGGAGATACCAACGGG	780
Db	721	AACAAATGGAATATCTGTATGATGACGAGCGACCAAGCTGGGAGGAGATACCAACGGG	780
Qy	781	GCAGAGGTCAGATTCTGCCTGCTGCTAAACTGTCGGTTTCAFAACCAATCATTTTC	840
Db	781	GCAGAGGTCAGATTCTGCCTGCTGCTAAACTGTCGGTTTCAFAACCAATCATTTTC	840
Qy	841	ATATTTCTAAACCTCAAAACAAAGCTGTGTAAATATCTGATCTCTACGGTTCTCTTGGG	900
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Qy	901	CCCAACATTCCTCATATATCCAGCCACATCAATTTTAAATATATTAGTTCAGATCTGTA	960
Db	901	CCCAACATTCCTCATATATCCAGCCACATCAATTTTAAATATATTAGTTCAGATCTGTA	960
Qy	961	CTGTGACCTTTCTACACTGTAGAAATAACATTAATCTATTTGTTTCAAAGACCCCTCGTGT	1020
Db	961	CTGTGACCTTTCTACACTGTAGAAATAACATTAATCTATTTGTTTCAAAGACCCCTCGTGT	1020
Qy	1021	GCTGCCATAATATGTAGTCACTGTTTTTTCTAAGGAGTGTCTTGGCCCAAGGGATCTGTG	1080
Db	1021	GCTGCCATAATATGTAGTCACTGTTTTTTCTAAGGAGTGTCTTGGCCCAAGGGATCTGTG	1080
Qy	1081	AACAGGCTGGGAGCATCTCAAGATCTTTTCCAGGGTTACTATTACTAGCACACAGCATGA	1140
Db	1081	AACAGGCTGGGAGCATCTCAAGATCTTTTCCAGGGTTACTATTACTAGCACACAGCATGA	1140
Qy	1141	TCATTACGGAGTGAATTAATCTAATCAACATCATCTCAGTGTCTTTGCCCATCTGAAAT	1200
Db	1141	TCATTACGGAGTGAATTAATCTAATCAACATCATCTCAGTGTCTTTGCCCATCTGAAAT	1200
Qy	1201	TCATTTCCACATTTTGTGCCCATTTCTCAAGACCTCAAAATGCAATTTCCATTAATATCA	1260

Db	1201	TCATTTCCCACTTTTGTGGCCCAATCTCTCAAGACCTCAAAATGTCTATTCATTAATATATACACA	1261
Qy	1261	GGATTAACTTTTTTTTTTAAACCTCGAAGAAATTCAAATGTTACATGCAGCATATGGGAAATTTA	1320
Db	1261	GGATTAACTTTTTTTTTTAAACCTCGAAGAAATTCAAATGTTACATGCAGCATATGGGAAATTTA	1320
Qy	1321	ATTACATATTTTGTGTTTTTCCAGTGCAAAGATGACHTAAGTCTCTTTATCCCTCCCTTTGTTTT	1380
Db	1321	ATTACATATTTTGTGTTTTTCCAGTGCAAAGATGACHTAAGTCTCTTTATCCCTCCCTTTGTTTT	1380
Qy	1381	GATTTTTTTTTTCCAGTATAAAGTTAAAAATGCTTTAGCCTTTGTACTGAGGCTGTATACAGCAC	1440
Db	1381	GATTTTTTTTTTCCAGTATAAAGTTAAAAATGCTTTAGCCTTTGTACTGAGGCTGTATACAGCAC	1440
Qy	1441	AGCCTCTCCCATCCCTCCAGCCTTATCTGTGCATCAGCATCAACCCCTCCCATACCACCT	1500
Db	1441	AGCCTCTCCCATCCCTCCAGCCTTATCTGTGCATCAGCATCAACCCCTCCCATACCACCT	1500
Qy	1501	AAACAAAATCTAACTGTGTAAATTCCTTGAACATGTCAGGACATACATTTATCTCTTCGCT	1560
Db	1501	AAACAAAATCTAACTGTGTAAATTCCTTGAACATGTCAGGACATACATTTATCTCTTCGCT	1560
Qy	1561	GAGAAGCTCTTCTGTCTCTTAAATCTAGAAATGATGTAAAGTTTTGAAATAGTTGACTA	1620
Db	1561	GAGAAGCTCTTCTGTCTCTTAAATCTAGAAATGATGTAAAGTTTTGAAATAGTTGACTA	1620
Qy	1621	TCCTTACTTCATGCAAGAGGGACACATATGAGATTCTCATCATCATGAGACAGCAAAATA	1680
Db	1621	TCCTTACTTCATGCAAGAGGGACACATATGAGATTCTCATCATCATGAGACAGCAAAATA	1680
Qy	1681	CTAAAAGTGTAATTTGATTTAAGAGTTTATAGATAAAATATATGAAATGCAAGAGCCACAGA	1740
Db	1681	CTAAAAGTGTAATTTGATTTAAGAGTTTATAGATAAAATATATGAAATGCAAGAGCCACAGA	1740
Qy	1741	GGGAATGTTTATGGGGACGTTTGTAGCCTGGGATGTGAAGCAAGGCAAGGNAACCTCA	1800
Db	1741	GGGAATGTTTATGGGGACGTTTGTAGCCTGGGATGTGAAGCAAGGCAAGGNAACCTCA	1800
Qy	1801	TAGTATCTTATATAATATACCTTCAATTTCTCTATCTCTATCACATATCCCAACAGCTTTT	1860
Db	1801	TAGTATCTTATATAATATACCTTCAATTTCTCTATCTCTATCACATATCCCAACAGCTTTT	1860
Qy	1861	CACAGAAATTCATGAGTGCAAAATCCCAAGGTAAACCTTTATCATTTTCATGTGTGAGTGC	1920
Db	1861	CACAGAAATTCATGAGTGCAAAATCCCAAGGTAAACCTTTATCATTTTCATGTGTGAGTGC	1920
Qy	1921	GCTTTAGAAATTTTCGGCAAAATCATACTCGTCACTTATCTCAACTTTGAGATGTGTTGTCTC	1980
Db	1921	GCTTTAGAAATTTTCGGCAAAATCATACTCGTCACTTATCTCAACTTTGAGATGTGTTGTCTC	1980
Qy	1981	TTGTAGTTAAATGAAAGAAATAGGGCACTCTTGTGAGCCACTTTTGGGTTTCACTCCTGGC	2040
Db	1981	TTGTAGTTAAATGAAAGAAATAGGGCACTCTTGTGAGCCACTTTTGGGTTTCACTCCTGGC	2040
Qy	2041	AATAAGAAATTTACAAAGAGCTACTCAGGACCAGTTGTTAAGACTCTGTGTGTGTGTGT	2100
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Qy	2101	GTGTGTGTGTGAGTGTACATGCCAAAAGTGTGCCCTCTCTCTTGAGCCCAATATTTTCAGAC	2160
Db	2101	GTGTGTGTGTGAGTGTACATGCCAAAAGTGTGCCCTCTCTCTTGAGCCCAATATTTTCAGAC	2160
Qy	2161	TTAAAAACAGCATGTTTTCAAATGGCACTATGAGCTGCCAATGATGTATCACCAACCATAT	2220
Db	2161	TTAAAAACAGCATGTTTTCAAATGGCACTATGAGCTGCCAATGATGTATCACCAACCATAT	2220
Qy	2221	CTCAATTTCTCCAGTAAATGTGATAATAATGTCTCATCTGTGTTAAATAAAAAGTTTGTAC	2280
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Qy	2281	TTCAAAAAGCAGCTGGAAATGGACAACCAACAATATGCATAAATCTTAACCTCTACCAATCA	2340
Db	2281	TTCAAAAAGCAGCTGGAAATGGACAACCAACAATATGCATAAATCTTAACCTCTACCAATCA	2340

QY	2341	GCTACACATGCTTGGACATATATTTAGAAAGACACCTCGCATTTGTGGGTTCTCTTAAAGC	2400
DB	2341	GCTACACATGCTTGGACATATATTTAGAAAGACACCTCGCATTTGTGGGTTCTCTTAAAGC	2400
QY	2401	AAAAATCTTGCAATTAGGCTCTCAGCTGGGGCTGTGCATCAGCGCGTTTGAGAAATATTCAA	2460
DB	2401	AAAAATCTTGCAATTAGGCTCTCAGCTGGGGCTGTGCATCAGCGCGTTTGAGAAATATTCAA	2460
QY	2461	TTCTCAGCAGAAGCCAGAAATTTGAATTTCCCTCATCTTTTATAGGAATCATTTACAGGTTTG	2520
DB	2461	TTCTCAGCAGAAGCCAGAAATTTGAATTTCCCTCATCTTTTATAGGAATCATTTACAGGTTTG	2520
QY	2521	GAGAGGATTCAGACAGCTCAGGTCCTTCTACTAATGTCTCTGAACTTCTCTCCCTCTTTG	2580
DB	2521	GAGAGGATTCAGACAGCTCAGGTCCTTCTACTAATGTCTCTGAACTTCTCTCCCTCTTTG	2580
QY	2581	TGTTTCATGGATAGTCCAAATAAATGTTATCTTTTGAACCTGATGCTCATAGGAGAGAATA	2640
DB	2581	TGTTTCATGGATAGTCCAAATAAATGTTATCTTTTGAACCTGATGCTCATAGGAGAGAATA	2640
QY	2641	TAGAACTCTGAGTGATATCAACATTAGGGAATTCAGAAATAATATAGATTTAAGACTCACA	2700
DB	2641	TAGAACTCTGAGTGATATCAACATTAGGGAATTCAGAAATAATATAGATTTAAGACTCACA	2700
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DB	2701	CTGGTCAAAAGGAAACCAAGATACAAAGAACTCTGAGCTGTCACTCGTCCCCCATCTCTGTGA	2760
QY	2761	GCCACAAACCAACAGCAGGACCCAAACGATGTCTGAGATCTTTAAATCAAGGAAACCAAGTG	2820
DB	2761	GCCACAAACCAACAGCAGGACCCAAACGATGTCTGAGATCTTTAAATCAAGGAAACCAAGTG	2820
QY	2821	TCATGAGTTGAAATTCCTCTAATTAGGATGCTAGCTTCTGGCCCATCTCTGCTCTCTCTCT	2880
DB	2821	TCATGAGTTGAAATTCCTCTAATTAGGATGCTAGCTTCTGGCCCATCTCTGCTCTCTCTCTCT	2880
QY	2881	GACACATATTAGCTTCTAGCCTTTGCTTCCACGACTTTTATCTTTTCTCCAAACACATCGC	2940
DB	2881	GACACATATTAGCTTCTAGCCTTTGCTTCCACGACTTTTATCTTTTCTCCAAACACATCGC	2940
QY	2941	TTACCAATCCTCTCTGCTCTGTTTGGACTTCCCCACAGAAATTTCAAGACTCT	3000
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DB	3001	CAAGTCTTTTCTTCCATCCCCACACACTAAACCTGNA-TGCTAGACCCCTTATTTTATTA	3059
QY	3061	TTTCCAAATAGATGCTGCTATGGGCTAATATGCTTTTAGATGAACATTAGATTTTAAAG	3120
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QY	3121	TCTAAGAGTTCAAATCCAACTCATTTATCTCTTTTCTTCCCTCCCTCTCTCTCTCT	3180
DB	3119	CTCAAGAGTTCAAATCCAACTCATTTATCTTCTTCTTCTTCTTCTTCTTCTCTCTCTCT	3177
QY	3181	CCCTATATTACTGATTG-ACGTGAACAGGATGGTCCCCAA-GATGCCAGTCAAAATGAGAAA	3238
DB	3178	CCCTATATTACTGATTGCACTGAACAGCAGTGGTCCCCAAATGTAGCCATGCAAAATGAGAAA	3237
QY	3239	CCAGTGGCTCTTGTGGATCATGCATGCAAGACTGCTGAAGCAG-AGCATGACTGATT	3297
DB	3238	CCCACTGGCTCTTGTGGTACATGCATGCAAGACTGCTGAAGCCAGAAAGATGACTGATT	3297
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RESULT 10
US-10-294-025-690
; Sequence 690, Application US/10294025
; Publication No. US20030185830A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Stolck, John A.
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C29
; CURRENT APPLICATION NUMBER: US/10/294,025
; CURRENT FILING DATE: 2002-11-12
; NUMBER OF SEQ ID NOS: 1038
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-294-025-690

Query Match 97.6%; Score 3497; DB 16; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 3569; Conservative 0; Mismatches 10; Indels 6; Gaps 6;

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Db |||||||


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QY 1823 CATTTCTCTATCTATCAATATCCAAAGCTTTTTCACAGAAATTCATGCAAGTGCAAA 1882
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QY 1883 TCCCAAAGGTAACTTTATCCATTCATGGTGAGTGCGCTTTAGAAATTTGGCAAAATCA 1942
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1861 TCCCAAAGGTAACTTTATCCATTCATGGTGAGTGCGCTTTAGAAATTTGGCAAAATCA 1920
QY 1943 TACTGGTCACTTATCTCAACTTTTGAGATGTGTTTGTCTTGTAGTTAAATTTGAAAGAAATA 2002
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1921 TACTGGTCACTTATCTCAACTTTTGAGATGTGTTTGTCTTGTAGTTAAATTTGAAAGAAATA 1980
QY 2003 GGGCACTCTTGTGAGCCACTTTTAGGGTTTCACCTCTGGCAATAAAGAAATTTTACAAAGA 2059
Db |||||
1981 GGGCACTCTTGTGAGCCACTTTTAGGGTTTCACCTCTGGCAATAAAGAAATTTTACAAAGA 2037

RESULT 12
US-09-759-143-468
; Sequence 468, Application US/09759143
; Patent No. US200202248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-468

Query Match 48.6%; Score 1742.2; DB 9; Length 3112;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1780; Conservative 0; Mismatches 8; Indels 3; Gaps 3;

QY 274 TCAATGGCAGGGGTGAGAAATAAGAAAGCTGCTGACTTTTACCATCTGAGGCCACACATC 333
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1302 TCAACTAAATAGGTGAGAAATAAGAAAGCTGCTGACTTTTACCATCTGAGGCCACACATC 1361
QY 334 TGCTGAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATATATATGCTTAAG 393
Db |||||
1362 TGCTGAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATATATGCTTAAG 1421
QY 394 TAGTGACATGTTTTGGCAATTTCCAGCCCTTTAAATATCCACACACAGGAGACACA 453
Db |||||
1422 TAGTGACATGTTTTGGCAATTTCCAGCCCTTTAAATATCCACACACAGGAGACACA 1481
QY 454 AAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCCGCCCATCTTTGGGTCAATCATGAG 513
Db |||||
1482 AAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCCGCCCATCTTTGGGTCAATCATGAG 1541
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QY 514 CCTCGCCCTGTGCGCTGTGTCCTCGCTTGTGAGGAAAGGACATTTAGAAAAATGAATTTGATGT 573
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1542 CCTCGCCCTGTGCGCTGTGTCCTCGCTTGTGAGGAAAGGACATTTAGAAAAATGAATTTGATGT 1601
QY 574 TCCTTTAAGGATGGCAGGAAAAACAGATCCTGTTGTGTGATATTTATTTTGAACGGGATTC 633
Db |||||
1602 TCCTTTAAGGATGGCAGGAAAAACAGATCCTGTTGTGTGATATTTATTTTGAACGGGATTC 1661
QY 634 AGATTTGAAATGAAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAGAAAT 693
Db |||||
1662 AGATTTGAAATGAAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAGAAAT 1721
QY 694 CTTGATGGCTTTCACAAGACATGCAACAAACAAATGGAATACTGTGATGACATGAGGCGAG 753
Db |||||
1722 CTTGATGGCTTTCACAAGACATGCAACAAACAAATGGAATACTGTGATGACATGAGGCGAG 1781
QY 754 CCAAGCTGGGAGGAGATTAACCAAGGAGAGGTCAGGATTTCTGGCCCTGCTGCCTTAA 813
Db |||||
1782 CCAAGCTGGGAGGAGATTAACCAAGGAGAGGTCAGGATTTCTGGCCCTGCTGCCTTAA 1841
QY 814 ACTGTGCGTTTCATAACCAAAATCATTTTCATATTTCTAAACCTTCAAAACAAAGCTGTGTAA 873
Db |||||
1842 ACTGTGCGTTTCATAACCAAAATCATTTTCATATTTCTAAACCTTCAAAACAAAGCTGTGTAA 1901
QY 874 TATCTGATCTCTACGGTTCTCTGCGGCCCAACATTTCTCCATATATCCAGCCACTCAT 933
Db |||||
1902 TATCTGATCTCTACGGTTCTCTGCGGCCCAACATTTCTCCATATATCCAGCCACTCAT 1961
QY 934 TTTTAAATATTTAGTTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATCAATTC 993
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1962 TTTTAAATATTTAGTTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAAATCAATTC 2021
QY 994 TCATTTTGTTCAAAAGACCCCTTTCGTGTTGCTGCTCCCTAAATATGTAGCTGACTGTTTTCTTAA 1053
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2022 TCATTTTGTTCAAAAGACCCCTTTCGTGTTGCTGCTCCCTAAATATGTAGCTGACTGTTTTCTTAA 2081
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QY 1234 TCAAAATGTCAATTCATTAATATCAAGGATTAATCTTTTTTTTTTTTAACTGGAGAAATTC 1293
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QY 1294 AATGTTACATGACGATATGGGAATTTAAATTAATATATTTTGTGTTTCCAGTGCAAGATGAC 1353
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QY 1354 TAAGTCTCTTATCCCTCCCTTTTGTGATTTTTTTTCCAGTATAAAGTTAAAAATGCTTTA 1413
Db |||||
2382 TAAGTCTCTTATCCCTCCCTTTTGTGATTTTTTTTCCAGTATAAAGTTAAAAATGCTTTA 2441
QY 1414 GCCTTGATCTGAGGCTGTATACAG- CACAGCCTCTCCCCATCCCTCCAGCCCTTATCTGTC 1472
Db |||||
2442 GCCTTGATCTGAGGCTGTATACAGCA CAGCCTCTCCCCATCCCTCCAGCCCTTATCTGTC 2501
QY 1473 ATCACCATCAACCCCTCCCATACACACCTTAAACAAAATCTAACTTGTAAATCTCTTGAACAT 1532
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2502 ATCACCATCAACCCCTCCCAT- GCACCTTAAACAAAATCTAACTTGTAAATCTCTTGAACAT 2560
QY 1533 GTCAGGACATACATTTTCTTCTGCGCTGAGAAGCTTCTCCTTGTCTCTTAAATCTAGAA 1592
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2561 GTCAGG- CATACATATTTCTTCTGCTGAGAAGCTTCTCCTTGTCTCTTAAATCTAGAA 2619
QY 1593 TGATGTAAAGTTTTGAATAAGTTGACTATCTTACTCATGCAAGAGGACACATATGA 1652
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Db 2680 GATTCATCATCATGAGACAGCAAACTACTAAAAGTGTAATTTGATTAAGAGTTTGA 2739
Qy 1713 TAAATATATGAATGCAAGAGCCACAGAGGGGAATGTTTATGGGGCAGCTTTGTAGCCCTG 1772
Db 2740 TAAATATATGAATGCAAGAGCCACAGAGGGGAATGTTTATGGGGCAGCTTTGTAGCCCTG 2799
Qy 1773 GGATGTGAAGCAAGGACGAGCACTCATAGTATCTTATATATATATATATATATATATATCTCTA 1832
Db 2800 GGATGTGAAGCAAGGACGAGCACTCATAGTATCTTATATATATATATATATATATATCTCTA 2859
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Db 2860 TCTCTATCAATATATCAACAAGCTTTTTCACAGAATTCATGAGTGCAAAATCCCAAAGG 2919
Qy 1893 TAACTTTATCATTTTCATGTTGAGTGCGCTTTAGAAATTTTGGCAAAATCATACTGTCTAC 1952
Db 2920 TAACTTTATCATTTTCATGTTGAGTGCGCTTTAGAAATTTTGGCAAAATCATACTGTCTAC 2979
Qy 1953 TTATCTCAACTTTGAGATGTTGTTGTCCTTTGTTAGTTAAATTTGAAAGAAATAGGCACTCTT 2012
Db 2980 TTATCTCAACTTTGAGATGTTGTTGTCCTTTGTTAGTTAAATTTGAAAGAAATAGGCACTCTT 3039
Qy 2013 GTGAGCCACTTTAGGGTTCACTCTCGGCAATTAAGAAATTTACAAAGAGCTA 2063
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RESULT 13

US-09-780-669-468
; Sequence 468, Application US/09780669
; Patent No. US20020051977A1

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens

US-09-780-669-468

Query Match 48.6%; Score 1742.2; DB 9; Length 3112;

Best Local Similarity 99.4%; Pred.No. 0;

Matches 1780; Conservative 0; Mismatches 8; Indels 3; Gaps 3;

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Qy 274 TCAATGGCAGGGTGAGAAATAAGAAAGCGTCTGACATTTTACCATCTGAGGCCACACATC 333
Db 1302 TCAATTAATAGGTGAGAAATAAGAAAGCGTCTGACATTTTACCATCTGAGGCCACACATC 1361
Qy 334 TGCTCAAAATGGAGATAATTTAACATCACTAGAAACAGCAAGATGACAATATATATGCTTAAG 393
Db 1362 TGCTCAAAATGGAGATAATTTAACATCACTAGAAACAGCAAGATGACAATATATATGCTTAAG 1421
Qy 394 TAGTGACATGTTTTTGGCACAATTTCCAGGCCCTTTTAAATATCCACACACACAGAGAACACA 453
Db 1422 TAGTGACATGTTTTTGGCACAATTTCCAGGCCCTTTTAAATATCCACACACACAGAGAACACA 1481
Qy 454 AAAGGAAGCAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTTGGGTCTATCGATGAG 513
Db 1482 AAAGGAAGCAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTTGGGTCTATCGATGAG 1541
Qy 514 CCTCGCCCTGTGCTGCTCCGCTTGAGGGAAGGACATTTAGAAATGAATTTGATGTGT 573
Db 1542 CCTCGCCCTGTGCTGCTCCGCTTGAGGGAAGGACATTTAGAAATGAATTTGATGTGT 1601
Qy 574 TCCTTTAAAGGATGGCAGGAGAAAACAGATCCTGTTGTTGGATATTTTATTTGAAACGGGATTAC 633
Db 1602 TCCTTTAAAGGATGGCAGGAGAAAACAGATCCTGTTGTTGGATATTTTATTTGAAACGGGATTAC 1661
Qy 634 AGATTTGAATGAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAGAAAAAT 693
Db 1662 AGATTTGAATGAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAGAAAAAT 1721
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Qy 754 CCAAGCTGGGAGGAGATAACACACGGGCGAGAGGTCTAGGATTTCTGGCCCTCTGCTCTAA 813
Db 1782 CCAAGCTGGGAGGAGATAACACACGGGCGAGAGGTCTAGGATTTCTGGCCCTCTGCTCTAA 1841
Qy 814 ACTGTGCGTTCAATACCAAAATCATTTTCATATTTCTAAACCTCAAAACAAAGCTGTTGTA 873
Db 1842 ACTGTGCGTTCAATACCAAAATCATTTTCATATTTCTAAACCTCAAAACAAAGCTGTTGTA 1901
Qy 874 TATCTGATCTCTAGGTTCTCTGGGCGGCAACATTTCTCCATATATCCAGCCACACTCAT 933
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Qy 934 TTTTAAATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAAATTTTAC 993
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Db 2022 TCATTTCTTCAAAGACCCTTCTGTTGCTGCTAATATGATGACTGTTTCTTAA 2081
Qy 1054 GGAGTGTCTGGCCCGAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTCCAG 1113
Db 2082 GGAGTGTCTGGCCCGAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTCCAG 2141
Qy 1114 GGTATATCTTACTAGCACACAGCATGATCATTTACCGAGTGAATTTATCTAATCAACATCAT 1173
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Qy 1234 TCMAAATGTCATTCATTAATATACAGGATTAATCTTTTAACTGGAAGATTC 1293
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Qy 1294 AATGTTACATGAGCTATGGGAATTTAATTAATATATTTTGTGTTTCCAGTGAAGATGAC 1353
Db 2322 AATGTTACATGAGCTATGGGAATTTAATTAATATATTTTGTGTTTCCAGTGAAGATGAC 2381
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QY 1354 TAAGTCCTTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGTTAAATGCTTAA 1413
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DB 2502 ATCACCATCAAGCCCTCCCAT-GCACCTAAACAAAATCTAACTTGTAATTCCTTGAACAT 2560
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DB 2561 GTCAAG-CATACATTAATTCCTCTGCTGAGAGCTCTTCCTTGTCCTTTAAATCTAGAA 2619
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DB 2800 GGATGTGAAGCAAGCGGAGCACTCATAGTATCTTATATATATATCTTATATATATCTTA 2859
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QY 1893 TAACTTTATCAATTCATGGTGAAGTGGCTTTAGAAATTTGGCAATCATACTGGTCA 1952
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QY 1953 TTATCTCAACTTTGAGATGTTGTTGCTTGTAGTTAAATGAAGAAATAGGCACTCTT 2012
DB 2980 TTATCTCAACTTTGAGATGTTGTTGCTTGTAGTTAAATGAAGAAATAGGCACTCTT 3039
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DB 3040 GTGAGCCACTTTAGGTTCACTCCTGGCAATAAAGAAATTTACAAAGAGCA 3090

RESULT 14
US-09-822-827-468
; Sequence 468, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-827-468

Query Match 48.6%; Score 1742.2; DB 9; Length 3112;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1780; Conservative 0; Mismatches 8; Indels 3; Gaps 3;

QY 274 TCAATGGCAGGGGTGAGAAATAAGAAAGCTGCTGACTTTACCATCTGAGGCCACACATC 333
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DB 1302 TCAATAAATAGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATC 1361
QY 334 TGCTGAATGAGATAATTTAAATCATCACTAGAAAACAGCAAGATGACAAATATATGTTCTAAG 393
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QY 394 TAGTGACATGTTTTTGGCACATTTCCAGCCCTTTTAAATATCCACACACAGGAAGCACA 453
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DB 1962 TTTTAAATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACCTGTAGAATAACATTAC 2021
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DB 2082 GGAGTGTTCGCGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAG 2141
QY 1114 GGTATACCTTACTAGCACACAGCATGATCAATACGGAGTGAATATCTPAATCAACATCAT 1173
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QY 1174 CCTCAGTGTCTTTGCCCATACTGAAATTCATTTCCACTTTTGTGCTGCTGCTGCTGCTGCT 1233
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DB 2262 TCAAAATGTCAATTCATTAATATCACAGGATTAACCTTTTTTTTTTTTAACTGGAAGATTC 2321
QY 1294 AATGTTACATCAGCTATGGAAATTTAATTAACATATTTGTTTTCAGTGCAGAGATGAC 1353
DB 2322 AATGTTACATCAGCTATGGAAATTTAATTAACATATTTGTTTTCAGTGCAGAGATGAC 2381
QY 1354 TAAGTCCCTTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGTTAAATGCTTAA 1413
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2382	TAAGTCCTTTATCCCTCCCTTTGTGATTTTTTTTCCAGTATAAAGTTAAATGCTTA	2441
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Db	GCCTTGACTGAGGCTGTATACAGCCACAGCCTCTCCCATCCCTCCAGCCTTATCTGTC	2501
Qy	ATCACCATCAACCCCTCCCATACACACTAACACAAAATCTAACTGTAAATTCCTTGACAT	1532
Db	ATCACCATCAACCCCTCCCAT-GCACCTAAACAAAATCTAACTGTAAATTCCTTGACAT	2560
Qy	GTCCAGGACATACATTTCTCTTCGCTCGAGAAGCTCTCTCTGTCTCTTTAAATCTAGAA	1592
Db	GTCCAGG-CATACATTTCTCTTCGCTCGAGAAGCTCTCTCTGTCTCTTTAAATCTAGAA	2619
Qy	TGATGTAAGTTTTGAATAGTTGACTATCTTACTTCATGCAAAAGAGGACACATATGA	1652
Db	TGATGTAAGTTTTGAATAGTTGACTATCTTACTTCATGCAAAAGAGGACACATATGA	2679
Qy	GATTCATCATCATGACAGACAGCAATFACTAAAGTGTAAATTTGATTATTAAGAGTTTTAGA	1712
Db	GATTCATCATCATGACAGACAGCAATFACTAAAGTGTAAATTTGATTATTAAGAGTTTTAGA	2739
Qy	TAAATATATGAAATGCAAGGCCACAGAGGAAATGTTTTATGGGCGACGTTTGTAAAGCCTG	1772
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Qy	TCCTCATCAATATCCAAACAAGCTTTTCACAGAAATTCATGCAGTGCAAAATCCCCAAGG	1892
Db	TCCTCATCAATATCCAAACAAGCTTTTCACAGAAATTCATGCAGTGCAAAATCCCCAAGG	2919
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Qy	TTATCTCAACTTTGAGATGTGTTGTCTTGTAGTTAAATTTGAAAGAAATAGGCACTCTT	2012
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Qy	GTGAGCCACTTTAGGGTTCACTCCTGGCAATAAGAAATTTTACAAGAGCTTA	2063
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RESULT 15

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RES001 15
US-09-895-793-468
; Sequence 468, Application US/09895793
; Publication No. US2002192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Maticham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aljun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinal de Bassols, Carlo
; APPLICANT: Foy, Teresa

```

QY 1114 GGTTATACCTTACTAGCACAGCATGATCATTTACGGAGTGAATTAATCTAATCAACATCAT 1173
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
2142 GGTTATACCTTACTAGCACAGCATGATCATTTACGGAGTGAATTAATCTAATCAACATCAT 2201
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2202 CCTCAGTGTCTTTGGCCCATACTGAAATTCATTTCCCACTTTTGTGCCCCATTCTCAAGACC 2261
QY 1234 TCAAAATGTCATTCCATTAATATACAGGATTAACCTTTTTTTTTTTTAAACCTGGAAGATTC 1293
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
2262 TCAAAATGTCATTCCANTTAATATACAGGATTAACCTTTTTTTTTTTTAAACCTGGAAGATTC 2321
QY 1294 AATGTTACATGACAGCTATGGGAATTTAATTACATATTTTGTGTTTCCAGTGCAGAGATGAC 1353
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
2322 AATGTTACATGACAGCTATGGGAATTTAATTACATATTTTGTGTTTCCAGTGCAGAGATGAC 2381
QY 1354 TAAAGTCCTTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGTTAAATGCTTTA 1413
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2382 TAAAGTCCTTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGTTAAATGCTTTA 2441
QY 1414 GCCTTGCTAGGCTGTATACAG-CACAGCCTCTCCCATCCCTCCAGCCTTATCTGTC 1472
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Search completed: August 23, 2005, 20:52:56
Job time : 4203.72 secs

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C 3	30.4	0.8	46	1	US-08-222-177A-346	Sequence 346, App
C 4	30	0.8	41	3	US-09-142-367-46	Sequence 46, Appl
C 5	30	0.8	46	1	US-08-222-177A-226	Sequence 226, App
C 6	30	0.8	47	1	US-08-222-177A-83	Sequence 83, Appl
C 7	30	0.8	47	1	US-08-222-177A-92	Sequence 92, Appl
C 8	30	0.8	47	1	US-08-222-177A-221	Sequence 221, App
C 9	30	0.8	50	1	US-08-222-177A-95	Sequence 95, Appl
C 10	30	0.8	50	1	US-08-222-177A-186	Sequence 186, App
C 11	30	0.8	50	1	US-08-222-177A-379	Sequence 379, App
C 12	29.8	0.8	39	1	US-08-222-177A-331	Sequence 331, App
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C 15	29.6	0.8	43	1	US-08-222-177A-370	Sequence 370, App
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C 18	29.6	0.8	46	1	US-08-222-177A-101	Sequence 101, App
C 19	29.6	0.8	47	1	US-08-222-177A-122	Sequence 122, App
C 20	29.6	0.8	47	1	US-08-222-177A-409	Sequence 409, App
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C 22	29.2	0.8	40	1	US-08-222-177A-152	Sequence 152, App
C 23	29	0.8	47	4	US-09-422-978-1894	Sequence 1894, Ap
C 24	29	0.8	50	1	US-08-222-177A-328	Sequence 328, App
C 25	28.8	0.8	35	1	US-08-222-177A-77	Sequence 77, Appl
C 26	28.8	0.8	42	1	US-08-222-177A-343	Sequence 343, App
C 27	28.8	0.8	45	1	US-08-222-177A-364	Sequence 364, App

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; Sequence 331, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dC-dA)n. (dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
;

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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/222,177A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/341,562
FILING DATE: 21-APR-1989

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Search completed: August 24, 2005, 09:57:46
Job time : 780.67 secs

GenCore version 5.1.6
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Run on: August 23, 2005, 18:10:39 ; Search time 3707.42 Seconds
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Title: US-09-402-713C-6

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Searched: 7316285 seqs, 3248459403 residues

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Minimum DB seq length: 10

Maximum DB seq length: 50

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Listing first 45 summaries

Database :

Published Applications NA.*
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26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
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C 2	50	1.4	50	24	US-11-085-060-4 Sequence 4, Appli
C 3	40	1.1	40	22	US-10-880-425A-14 Sequence 14, Appl
C 4	40	1.1	40	22	US-10-880-425A-19 Sequence 19, Appl
C 5	40	1.1	50	10	US-09-996-953-5 Sequence 5, Appli
C 6	40	1.1	50	24	US-11-085-060-5 Sequence 5, Appli
C 7	38	1.1	38	22	US-10-880-425A-31 Sequence 31, Appl

8	33	0.9	33	22	US-10-880-425A-35	Sequence 35, Appl
9	31.6	0.9	48	14	US-10-085-906-234	Sequence 234, App
10	31.6	0.9	48	14	US-10-085-906-360	Sequence 360, App
C 11	31.2	0.9	48	9	US-09-263-959-775	Sequence 775, App
12	31	0.9	31	22	US-10-880-425A-32	Sequence 32, Appl
13	30	0.8	30	22	US-10-880-425A-13	Sequence 13, Appl
14	30	0.8	30	22	US-10-880-425A-15	Sequence 15, Appl
15	30	0.8	30	22	US-10-880-425A-18	Sequence 18, Appl
16	30	0.8	30	22	US-10-880-425A-20	Sequence 20, Appl
C 17	30	0.8	41	14	US-10-146-575-46	Sequence 46, Appl
C 18	30	0.8	46	10	US-09-852-903C-28	Sequence 28, Appl
C 19	30	0.8	46	10	US-09-971-353-33	Sequence 33, Appl
C 20	30	0.8	47	9	US-09-263-959-571	Sequence 571, App
C 21	30	0.8	48	10	US-09-852-903C-29	Sequence 29, Appl
C 22	30	0.8	48	10	US-09-971-353-28	Sequence 28, Appl
C 23	30	0.8	48	14	US-10-085-906-114	Sequence 114, App
C 24	30	0.8	48	14	US-10-085-906-306	Sequence 306, App
C 25	30	0.8	50	19	US-10-407-818-6	Sequence 6, Appli
C 26	30	0.8	50	21	US-10-484-784-28	Sequence 28, Appl
C 27	29.6	0.8	44	10	US-09-852-903C-27	Sequence 27, Appl
C 28	29	0.8	47	17	US-10-349-143-1894	Sequence 1894, Ap
C 29	28.8	0.8	50	22	US-10-880-425A-36	Sequence 36, Appl
C 30	28.4	0.8	34	22	US-10-880-425A-28	Sequence 28, Appl
C 31	28.2	0.8	44	9	US-09-263-959-797	Sequence 797, App
C 32	28	0.8	36	10	US-09-852-903C-23	Sequence 23, Appl
C 33	28	0.8	36	11	US-09-909-317-7	Sequence 7, Appli
C 34	28	0.8	39	10	US-09-852-903C-24	Sequence 24, Appl
C 35	28	0.8	39	9	US-09-263-959-678	Sequence 678, App
C 36	28	0.8	40	10	US-09-852-903C-25	Sequence 25, Appl
C 37	28	0.8	40	19	US-10-661-088-24	Sequence 24, Appl
C 38	28	0.8	40	19	US-10-661-097-24	Sequence 24, Appl
C 39	28	0.8	40	19	US-10-661-355-24	Sequence 24, Appl
C 40	28	0.8	40	19	US-10-661-099-24	Sequence 24, Appl
C 41	28	0.8	40	20	US-10-661-415-24	Sequence 24, Appl
C 42	28	0.8	40	22	US-10-661-402-24	Sequence 24, Appl
C 43	28	0.8	40	22	US-10-661-403-24	Sequence 24, Appl
C 44	28	0.8	41	9	US-09-263-959-495	Sequence 495, App
C 45	28	0.8	42	10	US-09-852-903C-26	Sequence 26, Appl

ALIGNMENTS

RESULT 1

US-09-996-953-4/c
; Sequence 4, Application US/09996953
; Publication No. US20030165850A1
; GENERAL INFORMATION:
; APPLICANT: Bussemakers, Marion J.
; APPLICANT: Verhaegen, Gerald
; APPLICANT: Schalken, Jack A.
; TITLE OF INVENTION: Nucleic Acid Molecules Comprising The Promoter For
; FILE OF INVENTION: PCA3dd3, A New Prostate Antigen, And Uses Thereof
; FILE REFERENCE: 1619.0100000
; CURRENT APPLICATION NUMBER: US/09/996,953
; CURRENT FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: JP 2001-164963
; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: CA 2,357,073
; PRIOR FILING DATE: 2001-09-07
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 4
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-09-996-953-4

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Best Local Similarity 100.0%; Pred. No. 0.011;
Matches 50; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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US-11-085-060-4/c
; Sequence 4, Application US/11085060
; Publication No. US20050158792A1
; GENERAL INFORMATION:
; APPLICANT: Bussemakers, Marion J.
; APPLICANT: Verhaegh, Gerald
; APPLICANT: Schalken, Jack A.
; TITLE OF INVENTION: Nucleic Acid Molecules Comprising The Promoter For
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/11/085,060
; CURRENT FILING DATE: 2005-03-22
; PRIOR APPLICATION NUMBER: US/09/996,953
; PRIOR FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: JP 2001-164963
; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: CA 2,357,073
; PRIOR FILING DATE: 2001-09-07
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-11-085-060-4

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Matches 50; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 50 TTGTGTGGCTGCAGCCGAGGAGACCCAGGAAGATCTGCATGTGGGAAGG 1

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US-10-880-425A-14
; Sequence 14, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hesseles, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 14
; LENGTH: 40
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-14

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Best Local Similarity 100.0%; Pred. No. 4.1;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; Sequence 19, Application US/10880425A
; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hesseles, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 19
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; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-19

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Best Local Similarity 100.0%; Pred. No. 4.1;
Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 5

US-09-996-953-5
; Sequence 5, Application US/09996953
; Publication No. US20030165850A1
; GENERAL INFORMATION:
; APPLICANT: Bussemakers, Marion J.
; APPLICANT: Verhaegh, Gerald
; APPLICANT: Schalken, Jack A.
; TITLE OF INVENTION: Nucleic Acid Molecules Comprising The Promoter For
; FILE REFERENCE: 1619.0100000
; CURRENT APPLICATION NUMBER: US/09/996,953
; CURRENT FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: JP 2001-164963
; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: CA 2,357,073
; PRIOR FILING DATE: 2001-09-07
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-09-996-953-5

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; OTHER INFORMATION: Synthetic Construct
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Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 14

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; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
; PRIOR FILING DATE: 2003-06-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 15
; LENGTH: 30
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-880-425A-15

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Db 1 GGCAGGGGTGAGAAATAGAAAGGCTGCTG 30

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; Publication No. US20050164223A1
; GENERAL INFORMATION:
; APPLICANT: Schalken, Jack A.
; APPLICANT: Smit, Frank
; APPLICANT: Hessels, Daphne
; APPLICANT: Verhaegh, Gerald
; TITLE OF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
; TITLE OF INVENTION: and Kits Therefor
; FILE REFERENCE: 1619.0190000/JAG/CMB
; CURRENT APPLICATION NUMBER: US/10/880,425A
; CURRENT FILING DATE: 2004-06-30
; PRIOR APPLICATION NUMBER: CA 2,432,365
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; SEQ ID NO 18
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US-10-880-425A-18

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